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JVC PD-42V475 SERVICE MANUAL

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SERVICE MANUAL

PDP COLOR TELEVISION

PD-42V475/S
PD-42V485/S

BASIC CHASSIS
FP2

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SPECIFICATION

Items		Contents
Dimensions (W x H x D)		104.5cm x 79.1cm x 30.8cm (41-1/4” x 31-1/4” x 12-1/4”) [Included stand] 104.5cm x 72.9cm x 11.0cm (41-1/4” x 28-3/4” x 4-3/8”) [TV only]
Mass		48.3kg (106.3lbs) [Included stand] 38.3kg (84.33lbs) [TV only]
TV RF System		CCIR (M)
Color System		NTSC
Sound System		BTSC (Multi channel sound)
TV Receiving Channels and Frequency	VHF Low	02ch to 06ch : 54MHz to 88MHz
	VHF High	07ch to 13ch : 174MHz to 216MHz
	UHF	14ch to 69ch : 470MHz to 806MHz
	CATV	54MHz to 804MHz Low Band : 02 to 06, A-8 by 02 to 06&01 High Band : 07 to 13 by 07 to 13 Mid Band : A to I by 14 to 22 Super Band : J to W by 23 to 36 Hyper Band : W+1 to W+28 by 37 to 64 Ultra Band : W+29 to W+84 by 65 to 94, 100 to 125 Sub Mid Band : A4 to A1 by 96 to 99
TV/CATV Total Channel		180 channel
Intermediate Frequency	VIF	45.75MHz
	SIF	41.25MHz (4.5MHz)
Color Sub Carrier Frequency		3.58MHz
Power Input		AC120V, 60Hz
Power Consumption		Operate : 364W, Stand by: 0.94W
Plasma Display Panel (PDP)		⚠ QLE0028-001 42V wide aspect (16:9)
Screen Size		Visible size : 107.5cm (Diagonel) / 93.3 cm x 53.3 cm (H x V)
Display Pixels		H: 852 pixels / V: 480 pixels [W-VGA]
Speaker		6.6cm round x4 (Oblique cone)
Audio Power Output		10W + 10W
Antenna terminal (VHF / UHF)		F-type connector, 75Ω unbalanced, coaxial
Video / Audio Iutput [1/2/3/4]	S-Video [1/3/4]	Mini-DIN 4 pin connector x3 Y: 1V(p-p), 75Ω, positive (negative sync) C: 0.286V(p-p), (Burst signal), 75Ω
	Video	1V(p-p), 75Ω, negative sync, RCA pin jack x4
	Audio	500mV(rms) (-4dBs), high impedance, RCA pin jack x8
	Component video [1/2]	RCA pin jack x 3
	1125i / 750p	Y : 1V(p-p), 75Ω, 3-value sync : ±0.35V(p-p) Pb/Pr : ±0.35V(p-p), 75Ω
	525i / 525p	Y : 1V(p-p), 75Ω, positive (negative sync) Pb / Pr : 0.7V(p-p), 75Ω
Audio Output		RCA pin jack x2
	VARI	More than 0 - 1000mV(rms) (+2.2dBs)
	FIX	500mV (rms) (-4dBs), low impedance (400Hz when modulated 100%)
Center Channel Input		500mV (rms), low impedance, RCA pin jack x 1
PC (RGB) Input		D-sub 15pin x 1 R/G/B : 0.7V (p-p), 75Ω HD / VD : 1V (p-p) to 5V (p-p), high impedance <Available signal> VGA : 640 pixels x 480 pixels (Horizontal : 31.5kHz / Vertical : 60Hz)
AV COMPULINK Ⅲ		3.5mm mini jack x1
Digital-in		HDMI connector x 1 (Digital-in terminal is not compatible with picture signals of personal computer.)
	Video	Digital : HDMI connector
	Audio	Digital : HDMI connector Analog : 500mV(rms) (-4dBs), high impedance, RCA pin jack x 2
Remote Control Unit		RM-C1257G (AA/R6 TYPE battery x 2)

Design & specifications are subject to change without notice.

SECTION 1
PRECAUTION

1.1 SAFETY PRECAUTIONS

(1) The design of this product contains special hardware, many circuits and components specially for safety purposes. For continued protection, no changes should be made to the original design unless authorized in writing by the manufacturer. Replacement parts must be identical to those used in the original circuits. Service should be performed by qualified personnel only.

(2) Alterations of the design or circuitry of the products should not be made. Any design alterations or additions will void the manufacturer's warranty and will further relieve the manufacturer of responsibility for personal injury or property damage resulting therefrom.

(3) Many electrical and mechanical parts in the products have special safety-related characteristics. These characteristics are often not evident from visual inspection nor can the protection afforded by them necessarily be obtained by using replacement components rated for higher voltage, wattage, etc. Replacement parts which have these special safety characteristics are identified in the parts list of Service manual. **Electrical components having such features are identified by shading on the schematics and by (⚠) on the parts list in Service manual.** The use of a substitute replacement which does not have the same safety characteristics as the recommended replacement part shown in the parts list of Service manual may cause shock, fire, or other hazards.

(4) **Don't short between the LIVE side ground and ISOLATED (NEUTRAL) side ground or EARTH side ground when repairing.**
Some model's power circuit is partly different in the GND. The difference of the GND is shown by the LIVE : (⊥) side GND, the ISOLATED (NEUTRAL) : (⏚) side GND and EARTH : (⏚) side GND. Don't short between the LIVE side GND and ISOLATED (NEUTRAL) side GND or EARTH side GND and never measure the LIVE side GND and ISOLATED (NEUTRAL) side GND or EARTH side GND at the same time with a measuring apparatus (oscilloscope etc.).If above note will not be kept, a fuse or any parts will be broken.

(5) If any repair has been made to the chassis, it is recommended that the PDP POWER SUPPLY setting should be checked or adjusted.

(6) The high voltage applied to the PDP must conform with that specified in Service manual. Excessive high voltage can cause an increase in arcing and possible component damage, therefore operation under excessive high voltage conditions should be kept to a minimum, or should be prevented. If severe arcing occurs, remove the AC power immediately and determine the cause by visual inspection (incorrect installation, cracked or melted high voltage harness, poor soldering, etc.). To maintain the proper components in the circuitry including the PDP must be the exact replacements or alternatives approved by the manufacturer of the complete product.

(7) Do not check high voltage by drawing an arc. Use a high voltage meter or a high voltage probe with a VTVM. Discharge the picture tube before attempting meter connection, by connecting a clip lead to the ground frame and connecting the other end of the lead through a 10kΩ 2W resistor to the anode button.

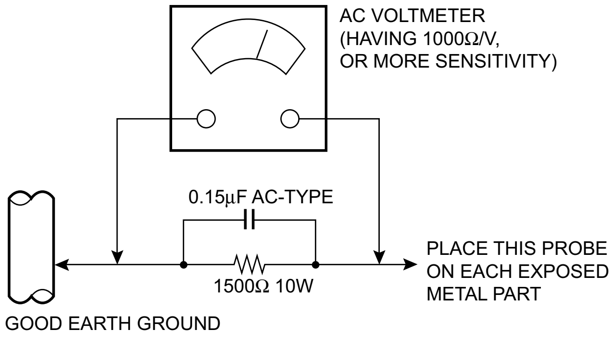
(8) When service is required, observe the original lead dress. Extra precaution should be given to assure correct lead dress in the high voltage circuit area. Where a short circuit has occurred, those components that indicate evidence of overheating should be replaced. Always use the manufacturer's replacement components.

(9) **Isolation Check**
(Safety for Electrical Shock Hazard)
After re-assembling the product, always perform an isolation check on the exposed metal parts of the cabinet (antenna terminals, video/audio input and output terminals, Control knobs, metal cabinet, screw heads, earphone jack, control shafts, etc.) to be sure the product is safe to operate without danger of electrical shock.

a) Dielectric Strength Test
The isolation between the AC primary circuit and all metal parts exposed to the user, particularly any exposed metal part having a return path to the chassis should withstand a voltage of 3000V AC (r.m.s.) for a period of one second. (. . . . Withstand a voltage of 1100V AC (r.m.s.) to an appliance rated up to 120V, and 3000V AC (r.m.s.) to an appliance rated 200V or more, for a period of one second.) This method of test requires a test equipment not generally found in the service trade.

b) Leakage Current Check
Plug the AC line cord directly into the AC outlet (do not use a line isolation transformer during this check.). Using a "Leakage Current Tester", measure the leakage current from each exposed metal part of the cabinet, particularly any exposed metal part having a return path to the chassis, to a known good earth ground (water pipe, etc.). Any leakage current must not exceed 0.5mA AC (r.m.s.).
However, in tropical area, this must not exceed 0.2mA AC (r.m.s.).

Alternative Check Method
Plug the AC line cord directly into the AC outlet (do not use a line isolation transformer during this check.). Use an AC voltmeter having 1000 ohms per volt or more sensitivity in the following manner. Connect a 1500Ω 10W resistor paralleled by a 0.15µF AC-type capacitor between an exposed metal part and a known good earth ground (water pipe, etc.). Measure the AC voltage across the resistor with the AC voltmeter. Move the resistor connection to each exposed metal part, particularly any exposed metal part having a return path to the chassis, and measure the AC voltage across the resistor. Now, reverse the plug in the AC outlet and repeat each measurement. Any voltage measured must not exceed 0.75V AC (r.m.s.). This corresponds to 0.5mA AC (r.m.s.).
However, in tropical area, this must not exceed 0.3V AC (r.m.s.). This corresponds to 0.2mA AC (r.m.s.).



1.2 INSTALLATION

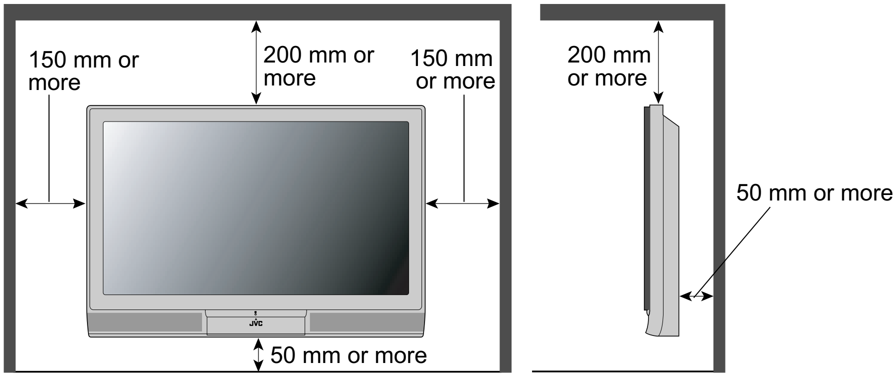
1.2.1 HEAT DISSIPATION

If the heat dissipation vent behind this unit is blocked, cooling efficiency may deteriorate and temperature inside the unit will rise. The temperature sensor that protects the unit will be activated when internal temperature exceeds the pre-determined level and power will be turned off automatically.
Therefore, please make sure pay attention not to block the heat dissipation vent as well as the ventilation outlet behind the unit and ensure that there is room for ventilation around it.

1.2.2 INSTALLATION REQUIREMENTS

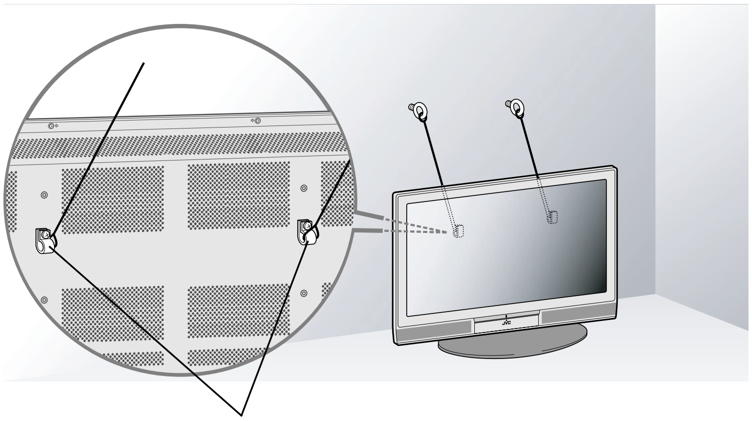
Ensure that the minimal distance is maintained, as specified below, between the unit with and the surrounding walls, as well as the floor etc.
Install the unit on stable flooring or stands.
Take precautionary measures to prevent the unit from tipping in order to protect against accidents and earthquakes.

SPACE REQUIRED FOR INSTALLATION



1.2.3 FALL TIP PREVENTION MEASURES

Take precautionary measures to prevent the unit from falling or tipping to protect against emergencies such as earthquakes as well as accidents.
Fasten the supplied hook for tip fall prevention using the screws, also supplied, behind the display unit, and use them together with durable cords (to be purchased separately) to secure the unit to a robust part such as the wall surface or pillars.


The supplied hook for tipfall prevention

1.3 PRECAUTIONS REGARDING PDP

1.3.1 PRECAUTIONS DURING NOTES FOR TRANSPORTATION

When transporting the unit, pressure exerted on the internal PDP (Plasma Display Panel) due to improper handling (such as tossing and dropping) may cause damages even when the unit is carefully packed. To prevent accidents from occurring during transportation, pay careful attention prior to delivery such as through explaining the handling instructions to transporters. Ensure that the following requirements are met during transportation, as the PDP of this unit is made of glass and therefore fragile:

(1) Avoid vibrations and impacts
The unit may be broken if it is toppled sideways even when properly packed. Ensure that the unit is carried by at least 2 persons and pay careful attention not to exert any vibration or impact on it.

(2) Do not place equipment horizontally
Ensure that it is placed upright and not horizontally during transportation and storage as the PDP is very vulnerable to lateral impacts and may break easily under such circumstances.
During transportation, ensure that the unit is loaded along the traveling direction of travel of the vehicle, and avoid stacking them on one another.
For storage, ensure that they are stacked in 2 layers or less even when placed upright.

1.3.2 RESIDUAL IMAGE / BURN-IN ON SCREEN

Like CRTs, “burn-in” may occur when a same image is continuously displayed over an extended period of time.
As this may also shorten the life span of the PDP. Therefore, turn off the display when not in use, scroll the screen, make use of screen-savers, or allow even distribution on the display by inverting the brightness, switching to complementary colors or inserting animated images at periodic intervals.
As burn-in is more likely to occur with high brightness and contrast settings, try to use neutral gradations or medium tone colors.
Burn-in does not occur in the case of animated images.
When switching to another image after continuous display of the previous image, residual images may become prominent, as luminance in a part of the display is higher than the other parts.
This is not a defect but is because due to the discharge surface of the lighted portion has become being relatively activated and its luminance higher than the unlighted parts.

1.3.3 INFRARED RAYS

Near Near-infrared rays (800nm to 1000nm) are emitted from the front of the panel, and this may give rise to malfunctions in infrared remote controls or communication systems placed near it. In this case, avoid direct infrared rays (and reflected rays in some cases) from the screen by either changing the direction of the unit or other infrared systems or securing a longer keeping a distance from the screen.

1.3.4 OPTICAL FILER (PANEL FILTER)

Avoid placing the unit under direct sunlight over a prolonged period of time. This may cause the optical filter to deteriorate in quality and color.
Clean the filter surface by wiping it softly lightly with outing flannels a soft and lightly fuzz cloth (such as flannel).
Do not use solvents such as benzine or thinner to wipe the filter surface. This may cause the filter to deteriorate in quality or the coating on the surface to come off.
As the filter surface is fragile., do not scratch or hit it with hard materials.

1.3.5 NOTES PRECAUTIONS FOR REPLACEMENT OF EXTERIOR PARTS

Take note of the following when replacing exterior parts (back REAR COVER, FRONT PANEL, optical filter)

- Do not exert pressure on the front of the PDP (glass surface).
- Pay careful attention not to scratch or stain the front of the PDP (surface) with hands.
- When replacing exterior parts, the front of the PDP should be placed facing downward. Place a mat, etc. underneath to avoid causing scratches to the front surface. However, never use materials that are too soft (such as blanket cloth). If replacement is made with the PDP surface facing downward and in contact with the blanket, pressure may be exerted on the PDP, thus causing damages to it.

SECTION 2
SPECIFIC SERVICE INSTRUCTIONS

2.1 FEATURES

2.1.1 HIGH-DEFINITION IMAGE TECHNOLOGY (DIST)

- **DIST (Digital Image Scaling Technology)**
  Employs an interpolation method that doubles the scanning lines to realize 480-line flickerfree picture making it especially suitable for reproducing high-resolution pictures even on large-screen displays.

2.1.2 MAIN FUNCTION

- **DIGITAL NOISE CLEAR**
  With digital noise clear, this helps take our static or noise from a channel that may not be coming in clearly.
- **NATURAL CINEMA**
  Natural cinema corrects the problem of blurred edges which may occur when viewing a program originally shot on film (such as motion pictures) or animation. If you notice blurring at the edges of these programs, choose NATURAL CINEMA and set it to AUTO.
- **COLOR MANAGEMENT**
  This TV supports the COLOR MANAGEMENT function to ensure dull colors are compensated to produce natural hues.
- **DYNAMIC GAMMA**
  JVC's Dynamic Gamma Circuitry (DGC) makes it easier to see dark areas when a picture has many dark areas, and makes it easier to see the bright areas when a picture has many bright areas. DGC is turned on, DGC analyzes and adjusts the total level of picture brightness balance, especially in dark areas where the level of greyscale is often lost, turning completely to black.
- **MTS (Multi-Channel Television Sound)**
  MTS technology allows several audio signals to be broadcast at once, giving you a choice in what you wish to hear with a TV program. In addition to mono or stereo sound, an MTS broadcast may also include a second audio program (SAP).
- **THEATER PRO D6500K**
  The TheaterPro D6500K color temperature technology function makes sure that the video you watch is set to the standard color temperature, so that what you see is as true to what the film to video editors intended it to be.
- **V-CHIP**
  Your TV is equipped with V-Chip technology which enables you to block channels or content that you feel to be inappropriate for children, based on US and Canada rating guidelines.
  V-Chip has no effect on video signals from a DVD discs, VCR tapes or Camcorder connection.
- **AUTO SHUT OFF**
  This function automatically shuts off your TV when there is no signal from the channel the TV is on.

2.1.3 ASPECT CONTROL

The screen size can be changed according to the picture aspect ratio.

- **ASPECT function**
  Desired screen size (PANORAMA / CINEMA / FULL / HD PANORAMA / REGULAR / CINEMA ZOOM) can be selected.

2.1.4 MULTI-SCREEN FUNCTION

- **Twin-pictures function**
  With the function, two pictures can be displayed at the Twin pictures mode.
- **Index-picture function**
  With this function, one of index-picture (12 pictures) can be displayed at the same time.
- **Freeze function**
  The images that are currently seen can be viewed on the memo screen (still picture).
  It is convenient for taking down notes like application address and recipe of cooking program etc, while enjoying the current program.

2.2 MAIN DIFFERENCE LIST

Item	PD-42V475/S	PD-42V485/S
FRONT PANEL COLOR	SILVER	BLACK
SMART SOUND	NO	YES
SMART CAPTION	NO	YES

2.3 TECHNICAL INFORMATION

2.3.1 PDP STRUCTURE AND CHARACTERISTIC

This unit uses the flat type panel PDP (Plasma Display Panel), instead of the conventional CRT (Cathode Ray Tube), as a display unit.

2.3.1.1 PIXEL (CELL) ARRAY

PDP is constructed by sealing the xenon, which emits neon and ultraviolet rays for discharging purpose, in between the electrodes lay on the front glass substrate and rear glass substrate.
One pixel is composed of 3 RGB cells, with cell pitch of 0.365mm (1 pixel 1.095mm) horizontally and 1.110mm vertically.
The cell is arrayed in each RGB color as shown in Fig. 1. One pixel is formed by interlacing each RGB color cell.
One cell size is 0.365mm horizontally and 1.110mm vertically.

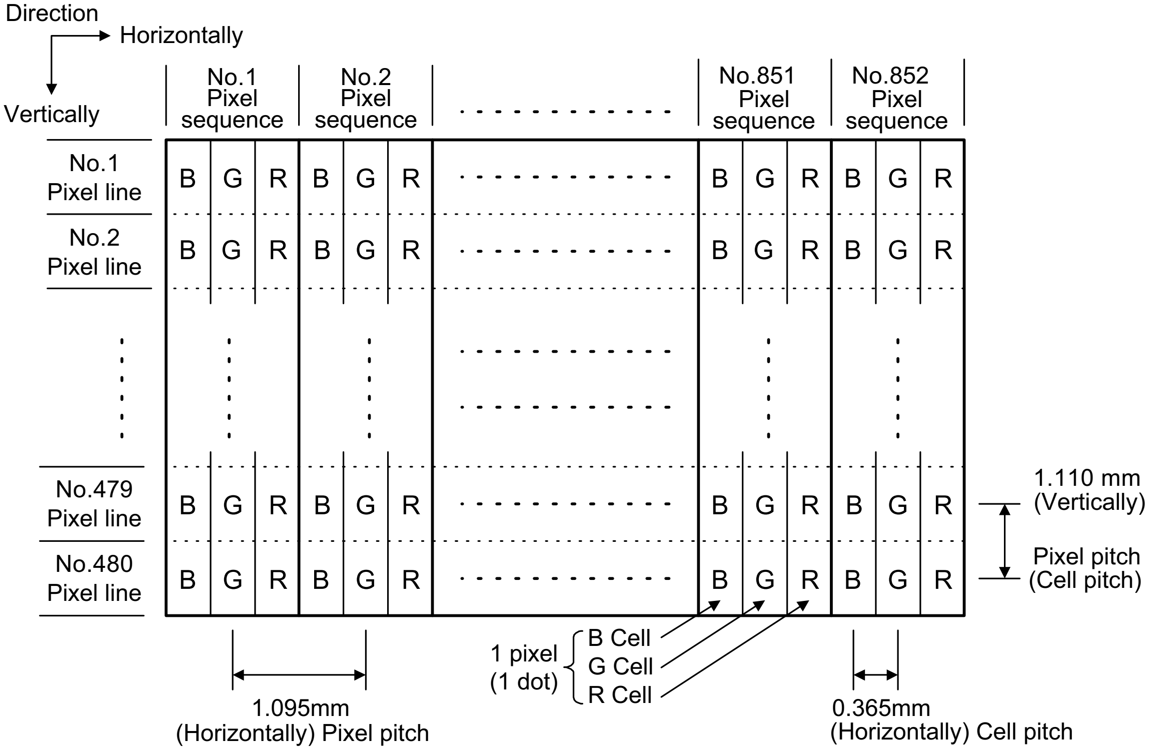

Direction
Horizontally
Vertically
No.1 Pixel sequence
No.2 Pixel sequence
No.851 Pixel sequence
No.852 Pixel sequence
No.1 Pixel line
No.2 Pixel line
No.479 Pixel line
No.480 Pixel line
B G R B G R
1.110 mm (Vertically)
Pixel pitch (Cell pitch)
1 pixel (1 dot)
B Cell
G Cell
R Cell
1.095mm (Horizontally) Pixel pitch
0.365mm (Horizontally) Cell pitch

Fig.1

2.3.1.2 PIXEL DEFECTS

Though PDP is made by means of ultra precise technology, there are cases whereby not all pixels (cell) will function properly. In some cases, there may be defective pixels that do not light at all or the ones that always light on.
There are 3 types of Pixel defects, [Bright Dot Defects], [Dark Dot Defects] and [Flicker Dot Defects], as defined respectively in the following:

(1) Bright Dot Defects
Bright dot defect is a pixel cell that lights though it should not light.
The presence of bright dot defects can be confirmed by inputting a full black signal (pattern).

(2) Dark Dot Defects
Dark dot defect is a pixel cell that does not light, though it should light.
The presence of dark dot defects can be confirmed by inputting a 100% full white signal (pattern).

(3) Flicker Dot Defects
Flicker dot defect is a pixel cell that blinks though it should light or not light.
The presence of flicher dot defects can be confirmed by inputting a full black signal (pattern).

2.3.2 CHASSIS CPU [DIGITAL SIGNAL PWB : IC7001] PIN FUNCTION

Pin No.	Pin name	I/O	Function
1	NC	O	Not used
2	P_MU	O	Video muting [Muting : H]
3	FUNC_LED	O	Not used
4	A_MU	O	Audio muting [Muting : H]
5	M_MU	O	Not used
6	PC_SW	O	PC input select [ON : H]
7	DIMMER_LED	O	Power LED dimmer control [Low dimmer : L]
8	NC	O	Not used
9	NC	O	Not used
10	NC	O	Not used
11	POW_LED	O	Power LED control [ON : H]
12	WORD	O	Programming control
13	SBT2	I	Clock for main CPU communication
14	SBI2	I	Data receive for main CPU communication
15	SBO2	O	Data transmission for main CPU communication
16	REQ	O	Request for main CPU communication
17	3.3V	I	3.3V
18	NC	O	Not used
19	GND	-	GND
20	3.3V	I	3.3V
21	NC	O	Not used
22	3.3V	I	3.3V
23	OSCI	I	16MHz for system clock
24	OSCO	O	16MHz for system clock
25	3.3V	I	3.3v
26	NC	O	Not used
27	A92_RST	O	3D YC separation reset [Reset : L]
28	NC	O	Not used
29	LIP_RST	O	Not used
30	NC	O	Not used
31	NC	I	Not used
32	NC	O	Not used
33	MDR_CON	I	Not used
34	3.3V	I	3.3V
35	NC	O	Not used
36	DsyncSW2	O	Digital sync signal select [Digital sync : L]
37	NC	O	Not used
38	NC	O	Not used
39	HOTPLUG	I	Not used
40	MECA_SW	I	Power switch monitor [ON : L]
41	MAIN_POW	O	Main power control [ON : L]
42	VARI / FIX	O	Audio out select [VARI : L / FIX : H]
43	0V	-	GND
44	NC	I	Not used
45	AFT1	I	AFT detection [Detection : H]
46	NC	I	Not used
47	NC	I	Not used
48	NC	O	Not used
49	NC	O	Not used
50	NC	I	Not used
51	NC	O	Not used
52	NC	I	Not used
53	NC	O	Not used
54	3.3V	I	3.3V
55	PDP_TX	O	PDP communication for panel CPU
56	PDP_RX	I	PDP communication for panel CPU
57	SDA0	I/O	I^{2}C bus data (for chassis memory)
58	SCL0	O	I^{2}C bus clock (for chassis memory)
59	SDA_DVI	I/O	Not used
60	SCL_DVI	I/O	Not used
61	GND	-	GND
62	DIN_PH	I	Optical DET. out
63	ATSC_REC	I	Not used
64	YS1	I	Not used
65	YS2	I	Not used
66	3.3V	I	3.3V
67	DIN_PRO	O	Digital-in voltage detection [Detection : H]
68	NC	O	Not used
69	NC	O	Not used
70	NC	O	Not used
71	NC	O	Not used
72	NC	O	Not used
73	SBD5	I/O	Flash writing for chassis CPU
74	SBT5	I	Flash writing for chassis CPU
75	3.3V	I	3.3V
76	NC	I	Not used
77	REMOCON	I	Remote control
78	V_SYNC	I	Vertical sync
79	WAKEUP_SHM	I	Sleep state release for chassis CPU [Relese : L]
80	POWERGOOD	I	Power error detection [Detection : H]
81	REC_LED	O	Stand-by power LED control [Stand-by :H]
82	RST	I	Chassis CPU reset [Reset : L]
83	3.3V	I	3.3V
84	SCL3A	O	I^{2}C bus clock (for 3D YC separation, gamma correction / color management / RGB process / OSD composition, U / V frontend, HDMI driver)
85	SDA3A	I/O	I^{2}C bus data (for 3D YC separation, gamma correction / color management / RGB process / OSD composition, U / V frontend, HDMI driver)
86	SCL3B	O	I^{2}C bus clock (for video / audio select, color demod. / sync sep., 3 line comb filter, component video / audio select, sync sep. / SW / detect, MTS demod. / surround / audio control)
87	SDA3B	I/O	I^{2}C bus data (for video / audio select, color demod. / sync sep., 3 line comb filter, component video / audio select, sync sep. / SW / detect, MTS demod. / surround / audio control)
88	DIN_sel	O	Not used
89	LR_SW	O	Digital-in control
90	DIN_INT	O	Digital-in reset [Reset : H]
91	DVI_RST	O	Not used
92	GND	-	GND
93	SCL5055	O	I^{2}C bus clock (for DIST)
94	NC	O	Not used
95	SDA5055	I/O	I^{2}C bus data (for DIST)
96	NC	O	Not used
97	NC	O	Not used
98	15K/OTH	O	Y signal select for 3D YC separation [525i : H / other : L]
99	DsyncSW1	O	Not used
100	JCC5057_BUSY	I	Busy for gamma correction / color management / RGB process / OSD composition [Busy : H]

2.3.3 MAIN CPU [DIGITAL SIGNAL PWB : IC7601] PIN FUNCTION

Pin No.	Pin name	I/O	Function
1	VHOLD1	I	Data slicer (closed caption) for main
2	HFLT1	I/O	LPF of video signal (closed caption)
3	NC	I/O	Not used
4	NC	I/O	Not used
5	DIGR0	O	Red for OSD
6	TB1in	I	Clock information
7	REMO	I	Remote control
8	BYTE	-	GND
9	CNVss	I	CPU mode select [CPU : L / Writing : H]
10	DIGG0	O	Green for OSD
11	DIGB0	O	Blue for OSD
12	RESET	I	Main CPU reset [Reset : L]
13	Xout	O	16MHz for system clock
14	Vss	-	GND
15	Xin	I	16MHz for system clock
16	Vccl	I	3.3V
17	OSC1	I	Clock input for OSD
18	OSC2	O	Not used
19	INT1	I	AV COMPULINK Ⅲ
20	INT0	I	Request for chassis CPU communication
21	OUT1	O	YS for OSD
22	OUT2	O	YM for OSD
23	NC	I/O	Not used
24	NC	I/O	Not used
25	NC	I/O	Not used
26	NC	I/O	Not used
27	CTA2/RTS2	I/O	Not used
28	CLK2	I/O	Not used
29	RxD2	I/O	Not used
30	TxD2	I/O	Not used
31	SDA2	I/O	Not used
32	DIGR1	O	Red for OSD
33	DIGG1	O	Green for OSD
34	DIGB1	O	Blue for OSD
35	TxD0	I	Programming control
36	RxD0	O	Flash writing for main CPU
37	CLK0	I	Programming clock
38	RTS0	I/O	Busy for flash writing composition [Busy : H]
39	P5.7	I	Not used
40	P5.6	O	Not used
41	HOLD	I	Main CPU hold for flash writing [Hold : L]
42	P5.4	O	Not used
43	P5.3	O	Not used
44	P5.2	O	Not used
45	P5.1	O	Not used
46	WR	O	CPU mode select [CPU : L / Writing : H]
47	P4.7	O	Data transmission for chassis CPU communication
48	P4.6	I	Data receive for chassis CPU communication
49	P4.5	O	Clock for chassis CPU communication
50	P4.4	I/O	Not used
51	NC	I/O	Not used
52	NC	I/O	Not used
53	NC	I/O	Not used
54	NC	I/O	Not used
55	NC	I/O	Not used
56	NC	I/O	Not used
57	NC	I/O	Not used
58	NC	I/O	Not used
59	NC	I/O	Not used
60	NC	I/O	Not used
61	NC	I/O	Not used
62	HSYNC	I	Horizontal sync for OSD
63	NC	I/O	Not used
64	VSYNC	I	Vertical sync for OSD
65	NC	I/O	Not used
66	NC	I/O	Not used
67	NC	I/O	Not used
68	NC	I/O	Not used
69	NC	I/O	Not used
70	NC	I/O	Not used
71	NC	I/O	Not used
72	NC	I/O	Not used
73	NC	I/O	Not used
74	NC	I/O	Not used
75	NC	I/O	Not used
76	NC	I/O	Not used
77	NC	I/O	Not used
78	NC	I/O	Not used
79	NC	I/O	Not used
80	NC	I/O	Not used
81	NC	I/O	Not used
82	NC	I/O	Not used
83	NC	I/O	Not used
84	WAKE	O	Sleep state release for chassis CPU [Relese : L]
85	CARD_DET	I/O	Not used
86	POWER_SW	I	Main power switch [ON : L]
87	SDAM	O	I^2C bus clock (for main memory)
88	SCLM	I/O	I^2C bus Data (for main memory)
89	DIGR2	O	Red for OSD
90	DIGG2	O	Green for OSD
91	DIGB2	O	Blue for OSD
92	NC	I/O	Not used
93	KEY2	I	Key scan data 1 [ON :H]
94	KEY1	I	Key scan data 2 [ON :H]
95	VHOLD2	I	Data slicer (closed caption) for sub
96	HLF2	I/O	LPF of video signal (closed caption)
97	CVIN2	I	Composite video input for closed caption (SUB-CCD)
98	TVSETB	-	GND
99	VCCE	-	5V
100	CVIN1	I	Composite video input for closed caption (MAIN-CCD)

2.3.4 PANEL CPU [INTERFACE PWB : IC807] PIN FUNCTION

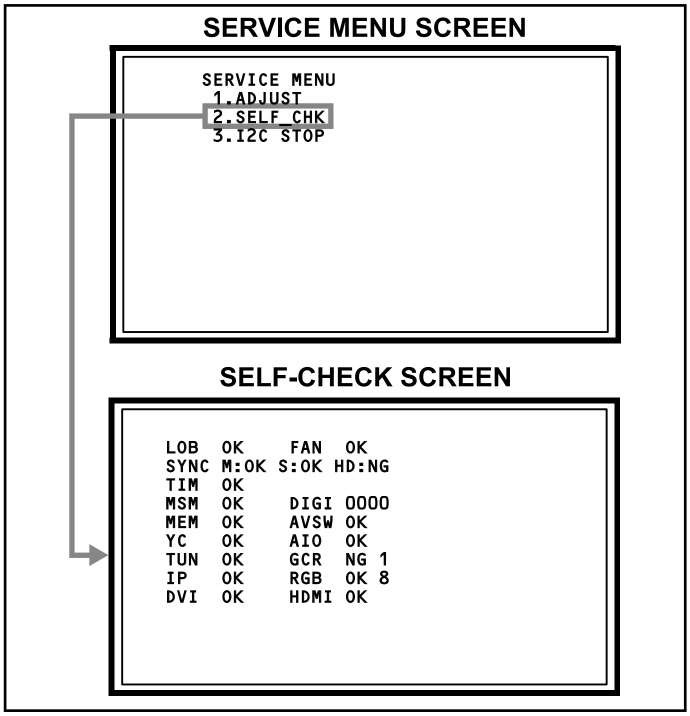
Pin No.	Pin name	I/O	Function
1	SYSTEM0	I	PDP size select [1.75V : 42V VGA 3.25V : 35V VGA]
2	SYSTEM3	I	PDP maker select [0V : SAMSUNG 3.25V : NEC]
3	AVCC	I	5.0V
4	X2	-	Not used
5	X1	-	GND
6	VCL	-	GND
7	RES	I	Reset [Reset : L]
8	TEST	I	GND
9	VSS	-	GND
10	OSC2	O	16MHz for system clock
11	OSC1	I	16MHz for system clock
12	VCC	I	5.0V
13	PW_LOB	O	Power control [ON : L]
14	PANEL_PW_ON	O	Panel power control [ON : L]
15	TALK_RST	O	Not used
16	CODEC_RST	O	Not used
17	I2C_STOP	O	I^{2}C bus stop control [Stop : L]
18	NC	O	Not used
19	NC	O	Not used
20	NC	O	Not used
21	NC	O	Not used
22	NC	O	Not used
23	SDA1	I/O	I^{2}C bus data (for panel memory)
24	FAN	O	Not used
25	SCL1	O	I^{2}C bus clock (for panel memory)
26	SDA0	I/O	I^{2}C bus data (for BBE / surround / audio control, temp. sensor)
27	SCL0	O	I^{2}C bus clock (for BBE / surround / audio control, temp. sensor)
28	SDA2	I/O	I^{2}C bus data (for PDP communication)
29	SCL2	O	I^{2}C bus clock (for PDP communication)
30	NC	O	Not used
31	SDA3	I/O	Not used
32	SCL3	O	Not used
33	NC	O	Not used
34	NC	O	Not used
35	NMI	I	Port for writing on board control [Writing : L]
36	A_MU	O	Audio muting [Muting : H]
37	(HD)	I	Not used
38	ON_TIMMER	O	Not used
39	REMO	I	Not used
40	POWERLED	O	Not used
41	P85	I	Emulator connection / Port for writing on board [Writing : H]
42	P86	I	Emulator connection
43	P87	I	Emulator connection
44	SCK3	O	Port for writing on board
45	RXD	I	Port for writing on board
46	TXD	O	Port for writing on board
47	AC_DET	I	AC power frequency detection [Detection : H]
48	NC	O	Not used
49	RXD2	I	Data receive for main CPU communication
50	TXD2	O	Data transmision for main CPU communication
51	NC	O	Not used
52	MECA_SW	I	Not used
53	VD	I	Vertical sync
54	REC_DET	I	Not used
55	I2C_READY	I	PDP I^{2}C communication select [Prohibition : L Permission : H]
56	FAN_LOCK	I	Not used
57	SYSTEM2	I	Not used
58	SYSTEM 1	I	Not used
59	THEM_DET	I	Temp. sensor detection [Detection : H]
60	(AMP_PRO2)	-	GND
61	AMP_PRO1	I	Not used
62	EE_CDS	I	Not used
63	KEY_IN1	I	Not used
64	KEY_IN2	I	Not used

SECTION 3
DISASSEMBLY

3.1 SYSTEM SETTEING

When the DIGITAL SIGNAL PWB is replaced or the DIGITAL INPUT is not normal, SYSTEM SETTING in the following procedure.

(1) Press the [SLEEP TIMER] key, and set it to 0 minutes.
(2) Press the [DISPLAY] key and the [VIDEO STATUS] key simultaneously, then the SERVICE MENU screen will be displayed.
(3) In the SERVICE MENU, press the [2] key. Then, the SELF-CHECK screen will be displayed.
(4) Turn off the power by pressing the [POWER] key on the remote control unit.



SERVICE MENU SCREEN

```
SERVICE MENU
 1.ADJUST
 2.SELF_CHK
 3.I2C STOP
```

SELF-CHECK SCREEN

```
LOB   OK     FAN  OK
SYNC M:OK S:OK HD:NG
TIM   OK
MSM   OK     DIGI 0000
MEM   OK     AVSW OK
YC    OK     AIO  OK
TUN   OK     GCR  NG 1
IP    OK     RGB  OK 8
DVI   OK     HDMI OK
```

Fig. 1

3.2 DISASSEMBLY PROCEDURE

CAUTION:

- When exchanging parts etc. with the front side (PDP side) facing down, please place a protection sheet below before starting, so as to prevent scratches on the front side.
- Pay extra attention in the following matter when turning the power on with the REAR COVER removed.
  (1) Prior to disassembly, unplug the power cord from the AC outlet without fail. (Turn the power "off".)
  (2) Make sure that the **RECEIVER PWB: IC3106** is completely covered with black masking tape. (Fig.2)
  (3) Make sure to remove the masking of **RECEIVER PWB: IC3106** when attaching the REAR COVER.
  (4) Do not turn the power on until the REAR COVER is attached properly, after the masking is removed.

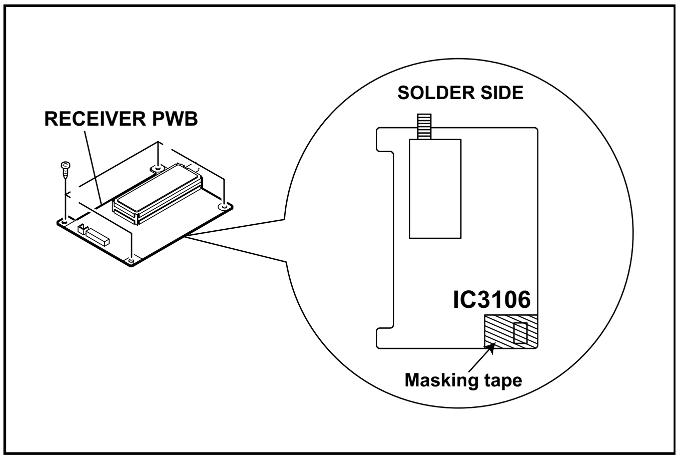


Fig. 2

3.2.1 REMOVING THE REAR COVER (Fig.3)

(1) Remove the power cord.
(2) Remove the 4 screws [A], and remove the STAND COVER.
(3) Remove the 2 screws [B] and the 6 screws [C].
(4) Remove the TABLE TOP STAND.
(5) Remove the 15 screws [D], the 4 screws [E], the 8 screws [F], and remove the REAR COVER.

CAUTION:

- Prior to starting the work, be sure to read the following written instructions on the CAUTION LABEL attached to the REAR COVER.

UNPLUG THE POWER CORD FROM AC OUTLET BEFORE REMOVING THE REAR COVER

When the rear cover is removed, follow 'CAUTION AT DISASSEMBLY' procedure in the service manual before plugging the TV's power cord into an AC outlet. Failure to follow the procedure will result in PERMANENT damage to some of the television features.

DÉBRANCHEZ LE CORDON DE LA PRISE DE COURANT C. A. AVANT DE RETIRER LE COUVERCLE ARRIÈRE.

Une fois le couvercle arrière déposé suivez la procédure « ATTENTION LORS DU DÉMONTAGE » décrite dans la manuel de service avant de brancher le cordon du téléviseur dans une prise c. a. L'omission de suivre la procédure causera des dommages PERMANENTS à certaines fonctions du téléviseur.

3.2.2 REMOVING THE TERMINAL COVER AND CENTER COVER (Fig.3)

- Remove the REAR COVER.

(1) Remove the 7 screws [G], and remove the CHASSIS SHIELD COVER.
(2) Remove the 6 screws [H], and remove the CENTER COVER.
(3) Remove the 6 screws [I], the 12 screws [J], the 1 screw [K], the 1 nut [L], the 1 washer [M], and remove the TERMINAL COVER.

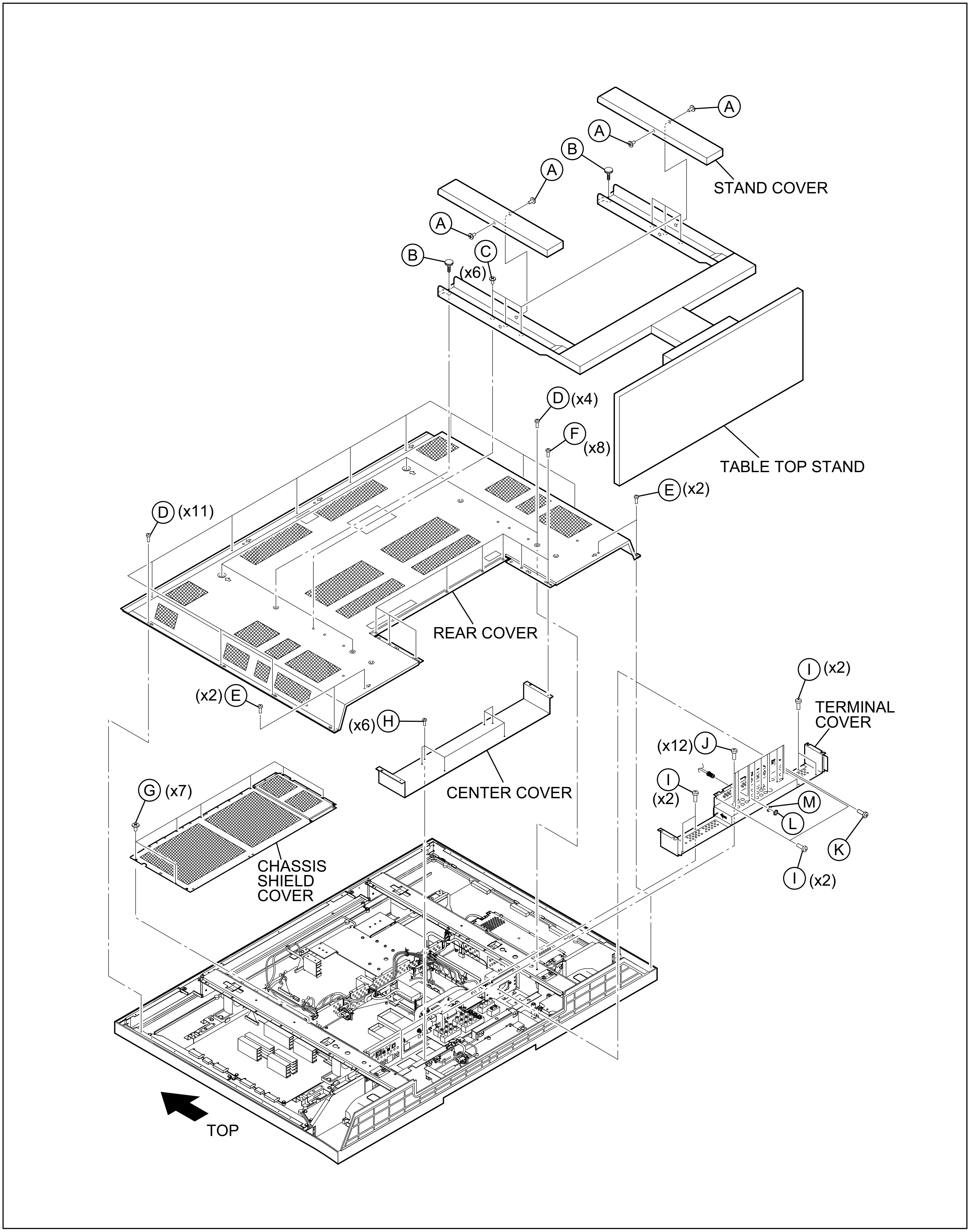

A
A
B
STAND COVER
A
A
B
C
(x6)
D (x4)
F (x8)
TABLE TOP STAND
E (x2)
D (x11)
REAR COVER
I (x2)
TERMINAL COVER
(x2) E
(x6) H
(x12) J
CENTER COVER
I (x2)
M
L
K
I (x2)
G (x7)
CHASSIS SHIELD COVER
TOP

Fig. 3

3.2.3 REMOVING THE AUDIO PWB (Fig. 4)

- Remove the REAR COVER.

(1) Remove the 4 screws [N], and remove the AUDIO CHASSIS COVER.
(2) Disconnect the connectors [CN600B], [CN600C], [CN600Y], [CN60SL], [CN60SR] from the AUDIO PWB.
(3) Remove the 4 screws [O], and remove the AUDIO PWB.

NOTE:

- It is advisable to take note of the connecting location (connector number) of the removed connectors.

3.2.4 REMOVING THE AV JACK PWB (Fig.4)

- Remove the REAR COVER.
- Remove the CENTER COVER.
- Remove the CHASSIS SHIELD COVER.
- Remove the TERMINAL COVER.

(1) Disconnect the connectors [CN0J01], [CN0J02] from the AV JACK PWB.
(2) Remove the 4 screws [P], and remove the AV JACK PWB.

NOTE:

- It is advisable to take note of the connecting location (connector number) of the removed connectors.

3.2.5 REMOVING THE INTERFACE PWB (Fig.4)

- Remove the REAR COVER.
- Remove the CENTER COVER.
- Remove the CHASSIS SHIELD COVER.
- Remove the TERMINAL COVER.

(1) Disconnect the connectors [CN00B], [CN00C], [CN00Q], [CN00G], [CN00T], [CN00V], [CN00X], [CN0FC] from the INTERFACE PWB.
(2) Remove the 2 screws [Q], and withdraw the INTERFACE PWB.

NOTE:

- It is advisable to take note of the connecting location (connector number) of the removed connectors.

3.2.6 REMOVING THE REGULATOR PWB (Fig.4)

- Remove the REAR COVER.
- Remove the CENTER COVER.
- Remove the CHASSIS SHIELD COVER.
- Remove the TERMINAL COVER.
- Remove the INTERFACE PWB.

(1) Disconnect the connectors [CN003], [CN008], [CN00D] from the REGULATOR PWB.
(2) Remove the 4 screws [R], and remove the REGULATOR PWB.

NOTE:

- It is advisable to take note of the connecting location (connector number) of the removed connectors.

3.2.7 REMOVING THE LINE FILTER PWB (Fig.4)

- Remove the REAR COVER.
- Remove the CENTER COVER.
- Remove the CHASSIS SHIELD COVER.
- Remove the TERMINAL COVER.
- Remove the INTERFACE PWB.

(1) Remove the 1 screw [S] and the 1 screw [T], and remove the AC INLET PANEL.
(2) Disconnect the connector [CN8001] from the MAIN POWER PWB.
(3) Remove the 1 screw [U], the 1 screw [V] and the 2 screws [W], and remove the LINE FILTER PWB.

NOTE:

- It is advisable to take note of the connecting location (connector number) of the removed connectors.

3.2.8 REMOVING THE RECEIVER PWB (Fig.4)

- Remove the REAR COVER.
- Remove the CENTER COVER.
- Remove the CHASSIS SHIELD COVER.
- Remove the TERMINAL COVER.

(1) Disconnect the connectors [CN00A], [CN00T] from the RECEIVER PWB.
(2) Withdraw the RECEIVER PWB.

NOTE:

- It is advisable to take note of the connecting location (connector number) of the removed connectors.

3.2.9 REMOVING THE ANALOG SIGNAL PWB (Fig.4)

- Remove the REAR COVER.
- Remove the CENTER COVER.
- Remove the CHASSIS SHIELD COVER.
- Remove the TERMINAL COVER.
- Remove the RECEIVER PWB.

(1) Disconnect the connectors [CN001], [CN002], [CN00D], [CN00F], [CN00G], [CN0J1], [CN0J2] from the ANALOG SIGNAL PWB.
(2) Remove the 4 screws [X], and remove the ANALOG SIGNAL PWB.

NOTE:

- It is advisable to take note of the connecting location (connector number) of the removed connectors.

3.2.10 REMOVING THE DIGITAL SIGNAL PWB (Fig.4)

- Remove the REAR COVER.
- Remove the CENTER COVER.
- Remove the CHASSIS SHIELD COVER.
- Remove the TERMINAL COVER.

(1) Disconnect the connectors [CN001], [CN002], [CN003], [CN0FC], [CN0LV2] from the DIGITAL SIGNAL PWB.
(2) Remove the 5 screws [Y], and remove the DIGITAL SIGNAL PWB.

NOTE:

- It is advisable to take note of the connecting location (connector number) of the removed connectors.

CAUTION:

- Make sure to perform the "SYSTEM SETTING" on page 1-11, when DIGITAL SIGNAL PWB is replaced.

3.2.11 REMOVING THE MAIN BASE, CHASSIS BASE AND AUDIO PWB BASE (Fig.4)

- Remove the REAR COVER.
- Remove the CENTER COVER.
- Remove the CHASSIS SHIELD COVER.
- Remove the TERMINAL COVER.
- Remove the AUDIO PWB.
- Remove the AV JACK PWB.
- Remove the INTERFACE PWB.
- Remove the REGULATOR PWB.
- Remove the LINE FILTER PWB.
- Remove the RECEIVER PWB.
- Remove the ANALOG SIGNAL PWB.
- Remove the DIGITAL SIGNAL PWB.

(1) Remove the 1 screw [Z], and remove the DIGITAL TERMINAL COVER.
(2) Remove the 1 screw [a].
(3) Lift the MAIN BASE upright and remove it.
(4) Remove the 2 screws [b], and remove the CHASSIS BASE.
(5) Remove the 1 screw [c], and remove the AUDIO PWB BASE.

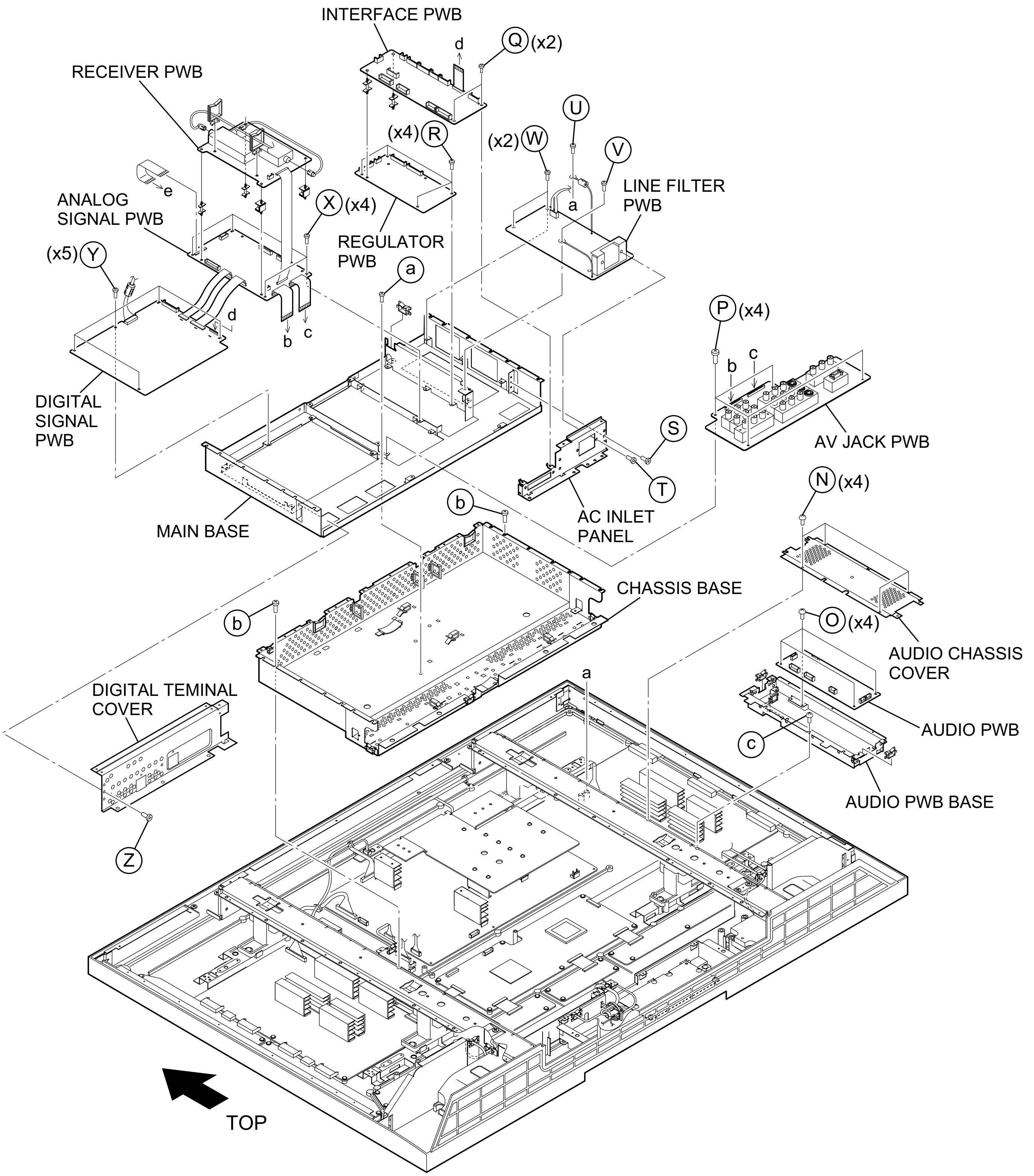

INTERFACE PWB
d
Q (x2)
RECEIVER PWB
(x4) R
(x2) W
U
V
LINE FILTER PWB
a
e
ANALOG SIGNAL PWB
X (x4)
REGULATOR PWB
(x5) Y
a
d
b
c
P (x4)
c
b
DIGITAL SIGNAL PWB
AV JACK PWB
S
T
N (x4)
b
AC INLET PANEL
MAIN BASE
CHASSIS BASE
b
O (x4)
AUDIO CHASSIS COVER
a
DIGITAL TEMINAL COVER
AUDIO PWB
c
AUDIO PWB BASE
Z
TOP

Fig. 4

3.2.12 REMOVING THE FRONT CONTROL PWB (Fig.5)

- Remove the REAR COVER.
- Remove the CENTER COVER.

(1) Remove the 4 screws [d] and the 2 screws [e].
(2) Disconnect the connectors [CN00F], [CN00T] from the FRONT CONTROL PWB.
(3) Remove the FRONT CONTROL PWB.

NOTE:

- It is advisable to take note of the connecting location (connector number) of the removed connectors.

3.2.13 REMOVING THE FRONT LED PWB (Fig.5)

- Remove the REAR COVER.
- Remove the CENTER COVER.
- Remove the FRONT CONTROL COVER.

(1) Remove the 2 screws [f], and withdraw the FRONT PWB BASE.
(2) Disconnect the connector [CN00X] from the FRONT LED PWB.
(3) Remove the 2 screws [g], and remove the FRONT LED PWB.

NOTE:

- It is advisable to take note of the connecting location (connector number) of the removed connectors.

3.2.14 REMOVING THE TEMP. SENSOR PWB (Fig.5)

- Remove the REAR COVER.

(1) Disconnect the connector [CN00V] from the TEMP. SENSOR PWB.
(2) Remove the 1 screw [h], and remove the TEMP. SENSOR PWB.

NOTE:

- It is advisable to take note of the connecting location (connector number) of the removed connectors.

3.2.15 REMOVING THE MAIN POWER PWB (Fig.5)

- Remove the REAR COVER.

(1) Disconnect the connectors [CN8001], [CN8002], [CN8003], [CN8006], [CN8008], [CN8009], [CN9001] from the MAIN POWER PWB.
(2) Remove the 7 screws [i], and remove the MAIN POWER PWB and the POWER PWB BRACKET.

NOTE:

- It is advisable to take note of the connecting location (connector number) of the removed connectors.

3.2.16 REMOVING THE SUB POWER PWB (Fig.5)

- Remove the REAR COVER.

(3) Disconnect the connectors [CN9001], [CN9005] [CN9010] from the SUB POWER PWB.
(4) Remove the 4 screws [j], and remove the SUB POWER PWB and the INSULATOR.

NOTE:

- It is advisable to take note of the connecting location (connector number) of the removed connectors.

3.2.17 REMOVING THE PDP UNIT (Fig.5)

- Remove the REAR COVER.
- Remove the CENTER COVER.
- Remove the CHASSIS SHIELD COVER.
- Remove the TERMINAL COVER.
- Remove the MAIN BASE, CHASSIS BASE and AUDIO PWB BASE (with each PWB affixed on the MAIN BASE, CHASSIS BASE and AUDIO PWB BASE).
- Remove the TEMP. SENSOR PWB.
- Remove the MAIN POWER PWB.
- Remove the SUB POWER PWB.

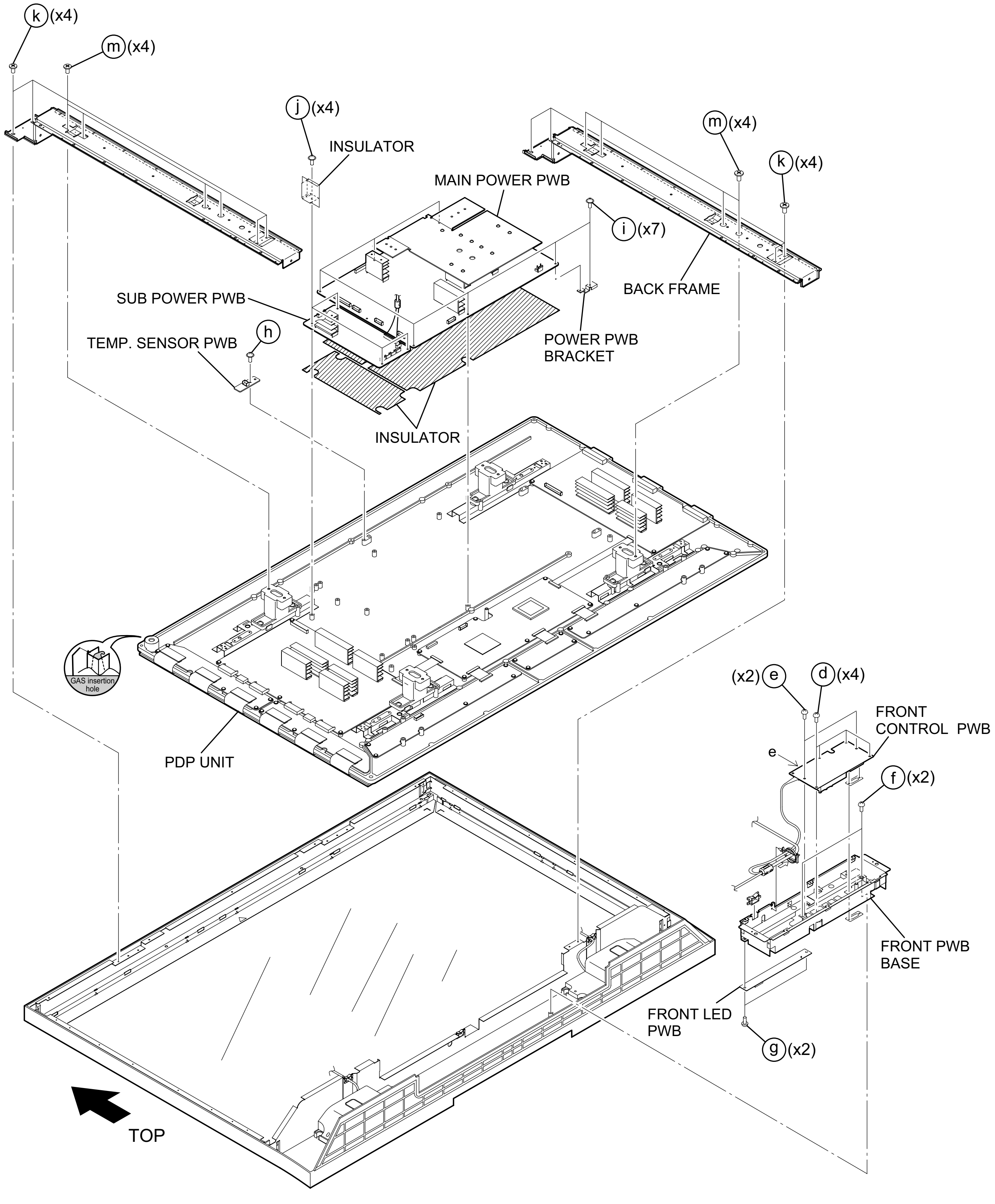
(1) Remove the 8 screws [k] and the 8 screws [m], and remove the BACK FRAME.
(2) Lift the PDP UNIT upright and remove it with enough care not to impose shock to the PDP UNIT.

NOTE:

- It is advisable to take note of the connecting location (connector number) of the removed connectors.

CAUTION:

- Two or more people are required to remove the PDP UNIT.
- The gas pouring port is covered with the protection material. In operation, be careful not to damage the gas pouring port.
- Do not touch the front side (glass) of the PDP with your fingers.



k (x4)
m (x4)
j (x4)
INSULATOR
MAIN POWER PWB
m (x4)
k (x4)
i (x7)
BACK FRAME
SUB POWER PWB
h
TEMP. SENSOR PWB
POWER PWB BRACKET
INSULATOR
GAS insertion hole
(x2) e
d (x4)
FRONT CONTROL PWB
e
f (x2)
PDP UNIT
FRONT PWB BASE
FRONT LED PWB
g (x2)
TOP

Fig. 5

3.2.18 REMOVING THE PWB IN PDP UNIT

3.2.18.1 REMOVING THE X-MAIN PWB (Fig.6)

- Remove the PDP UNIT.

(1) Disconnect the connectors [CN4001], [CN4002], [CN4003], [CN4004], [CN4005] from the X-MAIN PWB.
(2) Remove the 8 screws [n], and remove the X-MAIN PWB.

NOTE:

- It is advisable to take note of the connecting location (connector number) of the removed connectors.

3.2.18.2 REMOVING THE Y-MAIN PWB (Fig.6)

- Remove the PDP UNIT.

(1) Disconnect the connectors [CN5001], [CN5002], [CN5003], [CN5004], [CN5005], [CN5006], [CN5007], [CN5008] from the Y-MAIN PWB.
(2) Remove the 7 screws [o], and remove the Y-MAIN PWB.

NOTE:

- It is advisable to take note of the connecting location (connector number) of the removed connectors.

3.2.18.3 REMOVING THE LOGIC-MAIN PWB (Fig.6)

- Remove the PDP UNIT.

(1) Disconnect the connectors [CN101], [CN201], [CN401], [CN402], [CN403], [CN803] from the LOGIC-MAIN PWB.
(2) Remove the 7 screws [p], and remove the LOGIC-MAIN PWB.

NOTE:

- It is advisable to take note of the connecting location (connector number) of the removed connectors.

3.2.18.4 REMOVING THE Y-BUFFER-U PWB (Fig. 6)

- Remove the PDP UNIT.

(1) Disconnect the connectors [CN5401], [CN5402], [CN5403], [CN5404], [CN5405], [CN5406] from the Y-BUFFER-U PWB.
(2) Remove the 5 screws [q], and remove the Y-BUFFER-U PWB.

NOTE:

- It is advisable to take note of the connecting location (connector number) of the removed connectors.

3.2.18.5 REMOVING THE Y-BUFFER-L PWB (Fig.6)

- Remove the PDP UNIT.

(1) Disconnect the connectors [CN5501], [CN5502], [CN5503], [CN5504], [CN5505], [CN5506] from the Y-BUFFER-L PWB.
(2) Remove the 5 screws [r], and remove the Y-BUFFER-L PWB.

NOTE:

- It is advisable to take note of the connecting location (connector number) of the removed connectors.

3.2.18.6 REMOVING THE E-BUFFER PWB (Fig.6)

- Remove the PDP UNIT.

(1) Disconnect the connectors [CN401], [CN806], [EC1], [EC2], [EC3], [EC4], [EC5], [EC6], [EF1] from the E-BUFFER PWB.
(2) Remove the 6 screws [s], and remove the E-BUFFER PWB.

NOTE:

- It is advisable to take note of the connecting location (connector number) of the removed connectors.

3.2.18.7 REMOVING THE F-BUFFER PWB (Fig.6)

- Remove the PDP UNIT.

(1) Disconnect the connectors [CN402], [FC1], [FC2], [FE1], [FG1] from the F-BUFFER PWB.
(2) Remove the 3screws [t], and remove the F-BUFFER PWB.

NOTE:

- It is advisable to take note of the connecting location (connector number) of the removed connectors.

3.2.18.8 REMOVING THE G-BUFFER PWB (Fig.6)

- Remove the PDP UNIT.

(1) Disconnect the connectors [CN403], [GC1], [GC2], [GC3], [GC4], [GC5], [GC6], [GF1] from the G-BUFFER PWB.
(2) Remove the 6 screws [u], and remove the G-BUFFER PWB.

NOTE:

- It is advisable to take note of the connecting location (connector number) of the removed connectors.

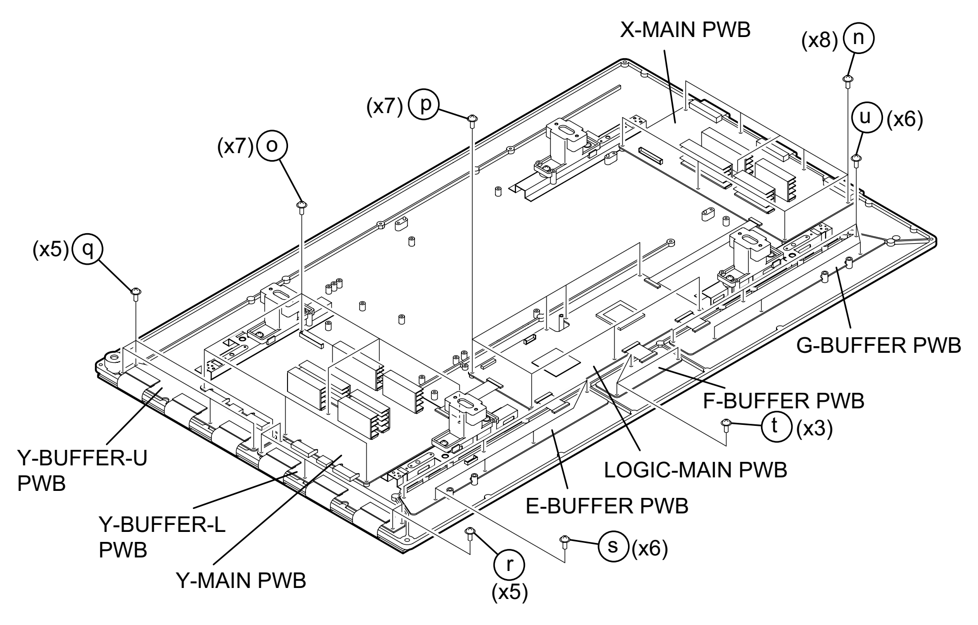


Fig. 6

3.2.19 REMOVING THE SPEAKER (Fig.7)

- Remove the REAR COVER
- Remove the CENTER COVER.
- Remove the CHASSIS SHIELD COVER.
- Remove the TERMINAL COVER.
- Remove the MAIN BASE, CHASSIS BASE and AUDIO PWB BASE (with each PWB affixed on the MAIN BASE, CHASSIS BASE and AUDIO PWB BASE).

(1) Remove the 3 screws [v], and remove the SPEAKER.
(2) Follow the same steps when removing the other hand SPEAKER.

CAUTION:

- Please do not disassembly the SPEAKER.
  When the speaker is decomposed, the performance cannot be kept.

3.2.20 REMOVING THE FRONT PANEL AND THE FRONT FILTER (Fig.7)

- Remove the REAR COVER
- Remove the CENTER COVER.
- Remove the CHASSIS SHIELD COVER.
- Remove the TERMINAL COVER.
- Remove the MAIN BASE, CHASSIS BASE and AUDIO PWB BASE (with each PWB affixed on the MAIN BASE, CHASSIS BASE and AUDIO PWB BASE).
- Remove the PDP UNIT.

(1) Remove the 8 screws [w].
(2) Lift the FRAME BRACKETS and FRONT FILTER upright and remove it with enough care not to damage the FRONT FILTER.
(3) Remove the FRONT PANEL.
(4) Remove the 16 screws [x], and remove the FILTER BRACKET.
(5) Remove the FRONT FILTER.

3.2.21 REMOVING THE TOP FRAME, BOTTOM FRAME AND SIDE FRAME (Fig.7)

- Remove the REAR COVER
- Remove the CENTER COVER.
- Remove the CHASSIS SHIELD COVER.
- Remove the TERMINAL COVER.
- Remove the MAIN BASE, CHASSIS BASE and AUDIO PWB BASE (with each PWB affixed on the MAIN BASE, CHASSIS BASE and AUDIO PWB BASE).
- Remove the PDP UNIT.
- Remove the FRONT FILTER.

(1) Remove the 4 bosses [y] and the 8 screws [z], and remove the TOP FRAME, BOTTOM FRAMEand SIDE FRAME.

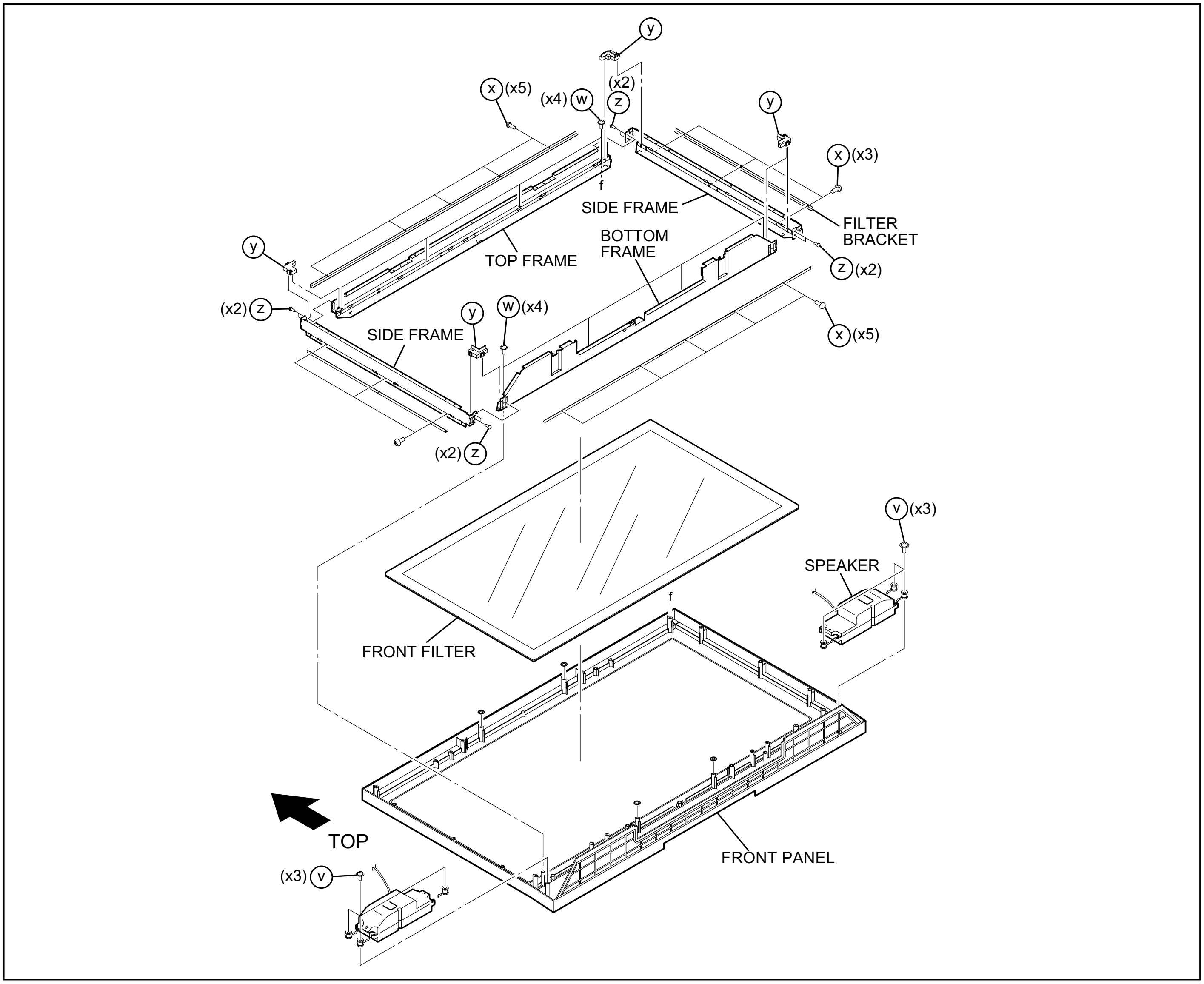


Fig. 7

3.3 REPLACEMENT OF MEMORY IC

3.3.1 MEMORY IC

This unit uses the nonvolatile memory IC.
The memory IC memories data for video and deflection circuits. To replace the memory IC without the data written, malfunctions might occurred while power is on, and the normal image might not appear. When replacing the memory IC, be sure to use the IC written with the initial values of data.

3.3.2 PROCEDURE FOR REPLACING THE MEMORY IC

1. **Power off**
   Switch the power off and unplug the power cord from the wall outlet.
2. **Replacing the memory IC**
   Replace the memory IC with new one. Be sure to use the memory IC written with the initial data values.
3. **Power on**
   Plug the power cord into the wall outlet and switch the power on.
4. **Receive channel setting**
   Refer to the **OPERATING INSTRUCTIONS** and set the receive channels (channels preset).
5. **User setting**
   Check the user setting values in Table 1 to Table 5. If setting value is different, set the correct value.
   For setting, refer to the **OPERATING INSTRUCTIONS**.
6. **Setting of SERVICE MENU**
   Verify the setting for each setting item in the SERVICE MENU.(See Table 6.) If readjustment is necessary, perform adjustment referring to "ADJUSTMENTS PROCEDURE".

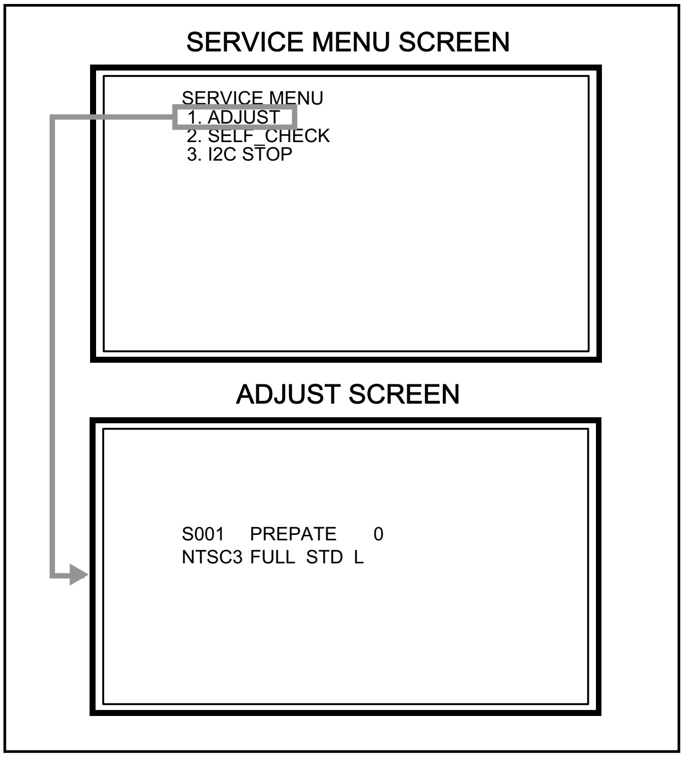


Fig.1

3.3.3 FACTORY SETTING VALUE

3.3.3.1 SETTING OF SWITCHS ON FRONT SIDE OF MAIN BODY

Setting item	Setting value
POWER	OFF
CHANNEL	CABLE-02
VOLUME	10
INPUT	TV

Table 1

3.3.3.2 SETTING OF REMOTE CONTROL UNIT

Setting item	Setting value
DISPLAY	OFF
ASPECT	PANORAMA
VIDEO STATUS	DYNAMIC
MULTI PICTURE	1 SCREEN
A.H.S	OFF
BBE	ON
SMART SOUND [PD-42V485/S]	OFF
AHB	ON
CLOSED CAPTION	OFF

Table 2

3.3.3.3 SETTING OF MENU SCREEN

(1) PICTURE ADJUST

VIDEO STATUS	STANDARD		DYNAMIC		GAME		THEATER	
Setting item	**NTSC**	**HD**	**NTSC**	**HD**	**NTSC**	**HD**	**NTSC**	**HD**
PICTURE	00	00	+05	+05	-05	-05	00	00
BRIGHT	00	00	00	00	00	00	00	00
COLOR	00	00	00	00	-03	-03	00	00
TINT	00	00	00	00	00	00	00	00
DETAIL	00	00	+05	+05	-03	-03	00	00
COLOR TEMPERATURE	LOW	LOW	HIGH	HIGH	HIGH	HIGH	HIGH	LOW
DIGI. NOISE CLEAR	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF
NATURAL CINEMA	ON	ON	ON	ON	ON	ON	ON	ON
COLOR MANAGEMENT	ON	ON	ON	ON	ON	ON	ON	ON
DYNAMIC GAMMA	ON	ON	ON	ON	ON	ON	ON	ON

Table 3

(2) SOUND ADJUST

Setting item	Setting value
BASS	Center
TREBLE	Center
BALANCE	Center
MTS	STEREO

Table 4

(3) INITIAL SET UP

Setting item	Setting value	Setting item	Setting value
TV SPEAKER	ON	POSITION ADJUSTMENT	CENTER
AUDIO OUT	FIX	POWER INDICATOR	HIGH
DIGITAL-IN	SIZE1	IMAGE SHIFT	STD
DIGITAL-IN AUDIO	DIGITAL	LANGUAGE	ENG.
CENTER CH INPUT	OFF	COLSED CAPTION	OFF
NOISE MUTING	ON	AUTO SHUT OFF	OFF
FRONT PANEL LOCK	OFF	XDS ID	ON
V1 SMART INPUT	OFF	V-CHIP	OFF
VIDEO INPUT LABEL	Space	AUTO DEMO	OFF

Table 5

3.3.3.4 SERVICE MENU SETTING ITEMS

Service menu	Setting item
1. ADJUST	S001 ~ S039 T001 ~ T010 P001 ~ P010 D001 ~ D187 Z001 ~ Z010
2. SELF CHECK	**[Refer to "SECTION 5 TROUBLESHOOTING" (page 1-31)]**
3. I2C STOP	**[Do not adjust]**

Table 6

CAUTION

When a number key other than the [1] to [3] key is pressed in the SERVICE MENU screen, the other relevant screen may be displayed.
This is not used in the adjustment procedure.
Press the [MENU] key to return to the SERVICE MENU.

3.4 REPLACEMENT OF CHIP COMPONENT

3.4.1 CAUTIONS

(1) Avoid heating for more than 3 seconds.
(2) Do not rub the electrodes and the resist parts of the pattern.
(3) When removing a chip part, melt the solder adequately.
(4) Do not reuse a chip part after removing it.

3.4.2 SOLDERING IRON

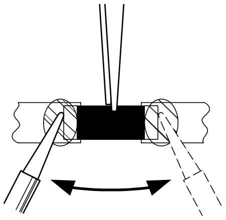
(1) Use a high insulation soldering iron with a thin pointed end of it.
(2) A 30w soldering iron is recommended for easily removing parts.

3.4.3 REPLACEMENT STEPS

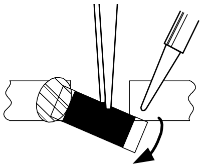
1. How to remove Chip parts

[Resistors, capacitors, etc.]

(1) As shown in the figure, push the part with tweezers and alternately melt the solder at each end.

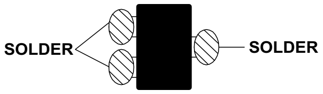


(2) Shift with tweezers and remove the chip part.

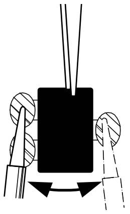


[Transistors, diodes, variable resistors, etc.]

(1) Apply extra solder to each lead.



(2) As shown in the figure, push the part with tweezers and alternately melt the solder at each lead. Shift and remove the chip part.

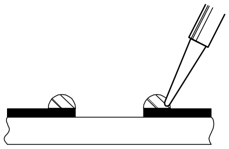


Note :
After removing the part, remove remaining solder from the pattern.

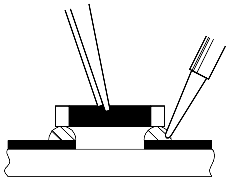
2. How to install Chip parts

[Resistors, capacitors, etc.]

(1) Apply solder to the pattern as indicated in the figure.

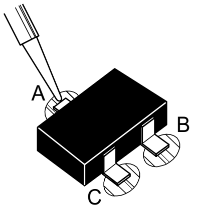


(2) Grasp the chip part with tweezers and place it on the solder. Then heat and melt the solder at both ends of the chip part.

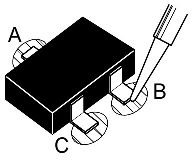


[Transistors, diodes, variable resistors, etc.]

(1) Apply solder to the pattern as indicated in the figure.
(2) Grasp the chip part with tweezers and place it on the solder.
(3) First solder lead A as indicated in the figure.



(4) Then solder leads B and C.



SECTION 4
ADJUSTMENT

4.1 ADJUSTMENT PREPARATION

(1) **You can make the necessary adjustments for this unit with either the remote control unit or with the adjustment equipment and parts as given below.**
(2) **Adjustment with the remote control unit is made on the basis of the initial setting values, however, the new setting values which set the screen to its optimum condition may differ from the initial settings.**
(3) Make sure that AC power is turned on correctly.
(4) Turn on the power for the set and test equipment before use, and start the adjustment procedures after waiting at least 30 minutes.
(5) Unless otherwise specified, prepare the most suitable reception or input signal for adjustment.
(6) Never touch any adjustment parts, which are not specified in the list for this variable resistors, transformers, trimmer capacitors, etc.
(7) Presetting before adjustment.
Unless otherwise specified in the adjustment instructions, preset the following functions with the remote control unit.

4.2 PRESETTING BEFORE ADJUSTMENT

Unless otherwise specified in the adjustment instructions, preset the following functions with the remote control unit.

Setting item	Settings
VIDEO STATUS	STANDARD
PICTURE adjustments	All center (00)
COLOR TEMPERATURE	LOW
DIGI. NOISE CLEAR	OFF
COLOR MANAGEMENT	ON
DYNAMIC GAMMA	ON
SOUND adjustments	All center (00)
A.H.S	OFF
BBE	ON
AHB	ON
MTS	STEREO
SMART SOUND [PD-42V485/S]	OFF
AUDIO OUT	FIX
ASPECT	FULL

4.3 MEASURING INSTRUMENT AND FIXTURES

- DC voltmeter (or Digital voltmeter)
- Oscilloscope
- Signal generator (Pattern generator)
  [NTSC / 525i COMPONENT / 1125i / PC (VGA)]
- Audio multiplex signal generator
- Remote control unit

4.4 BASIC OPERATION OF THE SERVICE MENU

4.4.1 TOOL OF SERVICE MENU OPERATION

Operate the SERVICE MENU with the remote control unit.

4.4.2 HOW TO ENTER THE SERVICE MENU

(1) Press the [SLEEP TIMER] key, and set it to 0 minutes.
(2) Press the [DISPLAY] key and the [VIDEO STATUS] key simultaneously, and the SERVICE MENU screen of Fig.1 will be displayed.

4.4.3 SELECT THE SERVICE MENU ITEM

(1) When the Main Menu is displayed, press any key of the [1] to [3] key to enter the corresponding menu mode.

CAUTION:

When a number key other than the [1] to [3] key is pressed in the SERVICE MENU screen, the other relevant screen may be displayed.
This is not used in the adjustment procedure.
Press the [MENU] key to return to the SERVICE MENU.

4.4.4 SELECT THE SETTING ITEM AND SETTING VALUE

(1) Select the service item using the [CHANNEL +/– (▲/▼)] key.
(2) Set the value using the [VOLUME +/– (◀ / ▶)] key.
(3) Press the [MUTING] key to memorize the set value.

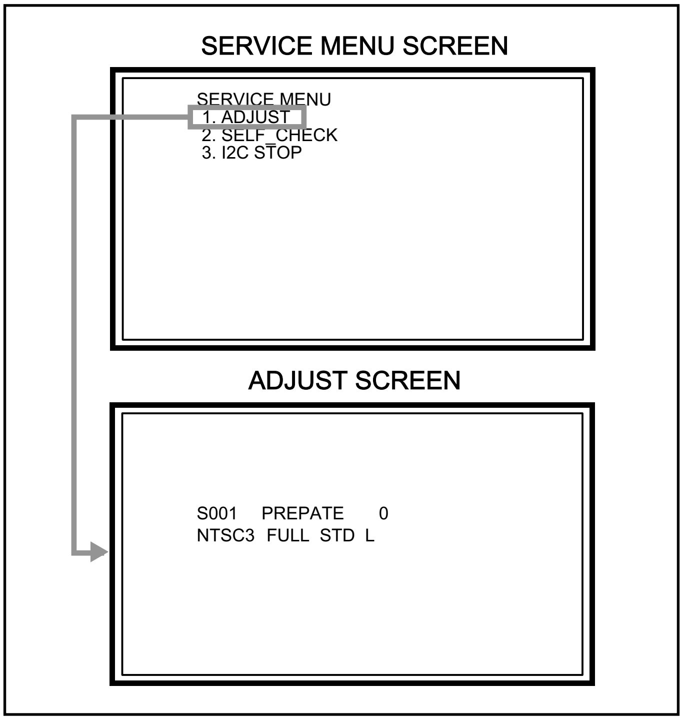


Fig.1

4.4.5 HOW TO EXIT THE SERVICE MENU MODE

Press the [MENU] key to exit the Service Menu mode.

4.4.6 SERVICE CONTROL KEY LAYOUT ON THE REMOTE CONTROL UNIT

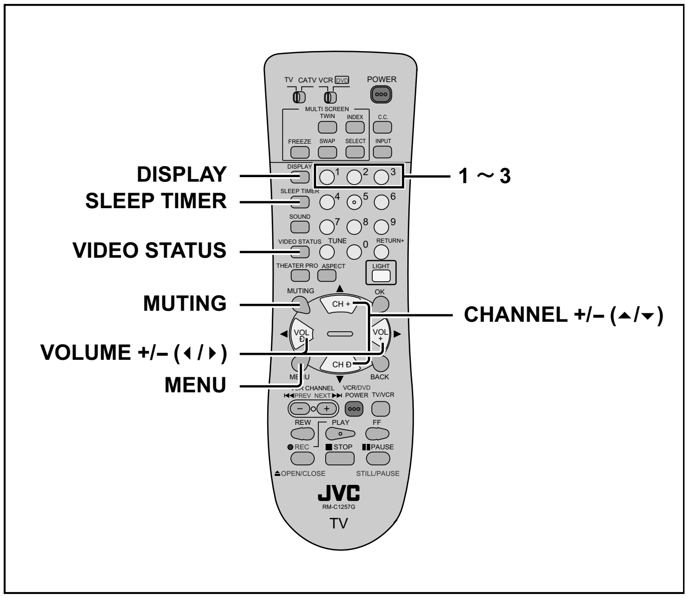

DISPLAY
SLEEP TIMER
VIDEO STATUS
MUTING
VOLUME +/– (◄/►)
MENU
1 ～ 3
CHANNEL +/– (▲/▼)
JVC
RM-C1257G
TV

Fig.2

4.4.7 SETTING OF THE SERVICE MENUS

4.4.7.1 [1.ADJUST]

[Do not change setting values of items that are not included in the “ADJUSTMENT PROCEDURE”. They are fixed values]

Set output data of the port of the video, audio, panel control, drive and main CPU setting.

(1) SIGNAL

The signal displayed on the screen is displayed.

NTSC3 : 525i (Composite / S-video)
525I : 525i (Component)
525P : 525p
750P : 750p
1125I6 : 1125i 60Hz
H525I : HDMI525i
H525P : HDMI525p
H750P : HDMI750p
H125I6 : HDMI1125i
PCVGA : PC (VGA)

(2) SCREEN SIZE / MULTI PICTURE

State of the SCREEN SIZE or MULTI PICTURE is displayed.

- SCREEN SIZE
  1409 : FULL
  1609 : PANORAMA, HD PANORAMA
  1609S : CINEMA, CINEMA ZOOM
  FULL : REGULAR
- MULTI PICTURE
  FRZ : 2 pictures
  STD : 12 pictures

(3) PICTURE MODE

The PICTURE MODE is displayed.

STD : STANDARD
DYN : DYNAMIC
TH : THEATER
GAME : GAME

(4) COLOR TEMP.

The COLOR TEMP. is displayed.

H : HIGH
M : LOW

(5) ITEM No.

The ITEM No. is displayed.

- [CHANNEL +/– (▲/▼)] key
  For scrolling up / down the setting items.

→ S001...↔ T001...↔ P001...↔ D001...↔ Z001...←

- [SLEEP TIMER] key
  For seitching to next items.

→ S001 → T001 → P001 → D001 → Z001

(6) SETTINGVALUE

The SETTING VALUE is displayed.

- [VOLUME +/– (◄ / ►)] key
  For scrolling up / down the setting values.

Item No.	Setting items
S001~S039	This item adjusts the setting values of the video circuit.
T001~T010	This item adjusts the setting values of the audio circuit.
P001~P010	This item adjusts the setting values of the panel control circuit.
D001~D187	This item adjusts the setting values of the drive circuit.
Z001~Z010	This item adjusts the setting values of the main CPU circuit.

4.4.6.2 [2.SELF CHECK]

[Refer to “SECTION 5 TROUBLESHOOTING” (page 1-31)]

4.4.6.3 [3.I2C STOP]

[Setting for this item is not required in servicing]

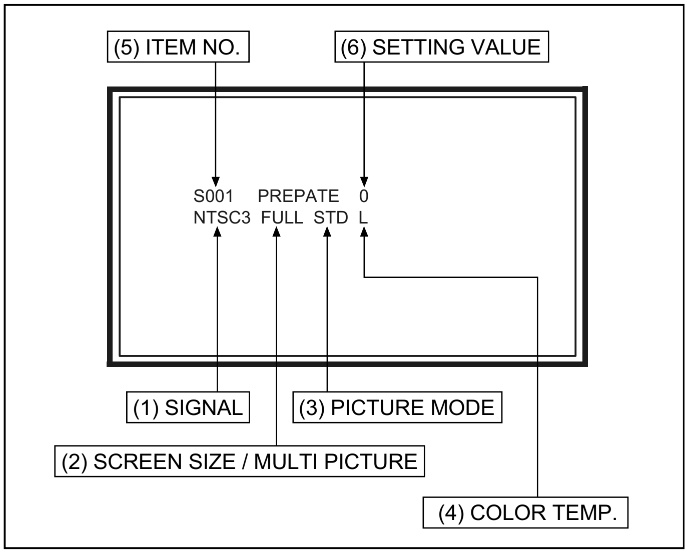

(5) ITEM NO.
(6) SETTING VALUE
S001 PREPATE 0
NTSC3 FULL STD L
(1) SIGNAL
(3) PICTURE MODE
(2) SCREEN SIZE / MULTI PICTURE
(4) COLOR TEMP.

Fig.3

4.5 INITIAL SETTING VALUES IN THE SERVICE MENU SETTING MODE

- Perform fine-tuning based on the “initial setting values” using the remote control when in the SERVICE MENU setting mode.
- The “initial setting values” serve only as an indication rough standard and therefore the values with which optimal display can be achieved may be different from the initial setting values. But, don't change the values that are not written in “ADJUSTMENT PROCEDURE”. They are fixed values.

4.5.1 [1.ADJUST]

4.5.1.1 VIDEO SYSTEM

Item No.	Item	Variable range	Setting value
S001	PREPARE	000~031	000
S002	NTSC BL	000~015	000
S003	NTSC CNT	000~255	033
S004	NT CR OF	000~015	006
S005	NT CB OF	000~015	006
S006	525i BL	000~015	000
S007	525i CNT	000~255	033
S008	5i CB OF	000~015	000
S009	5i CR OF	000~015	000
S010	5i CR GN	000~015	006
S011	5i CB GN	000~015	006
S012	HD BL	000~063	057
S013	HD CB OF	000~063	054
S014	HD CR OF	000~063	055
S015	RT CONT	000~015	007
S016	RT CB OF	000~015	002
S017	RT CR OF	000~015	002
S018	RT CL GA	000~015	004
S019	PC CL MB	000~007	000
S020	PC CL LB	000~031	000
S021	PC CL MR	000~007	000
S022	PC CL LR	000~031	000
S023	(NO DISPLAY)	000~255	000
S024	(NO DISPLAY)	000~255	000
S025	(NO DISPLAY)	000~255	000
S026	(NO DISPLAY)	000~255	000
S027	(NO DISPLAY)	000~255	000
S028	(NO DISPLAY)	000~255	000
S029	(NO DISPLAY)	000~255	000
S030	R DRIVE	000~255	136
S031	G DRIVE	000~255	135
S032	B DRIVE	000~255	132
S033	(NO DISPLAY)	000~255	000
S034	(NO DISPLAY)	000~255	000
S035	(NO DISPLAY)	000~255	000
S036	(NO DISPLAY)	000~255	000
S037	(NO DISPLAY)	000~255	000
S038	(NO DISPLAY)	000~255	000
S039	ILA COM	000~001	000

4.5.1.2 AUDIO SYSTEM

Item No.	Item	Variable range	Setting value
T001	IN LEVEL	000~255	255
T002	LOW SEP	000~255	255
T003	HIGH SEP	000~255	255
T004	AFC	000~255	000
T005	(NO DISPLAY)	000~255	000
T006	ATT V ON	000~001	000
T007	ATT U ON	000~001	000
T008	ATT C ON	000~001	000
T009	(NO DISPLAY)	000~255	000
T010	(NO DISPLAY)	000~255	000

4.5.1.3 PANEL CONTROL SYSTEM

Item No.	Item	Variable range	Setting value
P001	TM HOR H	00~FF	00
P002	TM HOR L	00~FF	00
P003	TM MIN	00~FF	39
P004	TEMP	000~255	000
P005	(NO DISPLAY)	000~255	000
P006	(NO DISPLAY)	000~255	000
P007	(NO DISPLAY)	000~255	000
P008	(NO DISPLAY)	000~255	000
P009	(NO DISPLAY)	000~255	000
P010	(NO DISPLAY)	000~255	000

4.5.1.4 DRIVE SYSTEM

Item No.	Item	Variable range	Setting value
D001	SLV GN	00~3F	20
D002	SLVH GN	00~3F	20
D003	SLH GN	00~3F	20
D004	SLV Pf	00~03	01
D005	SLH Pf H	00~01	01
D006	SLH Pf L	00~03	03
D007	SL EGCON	00~3F	04
D008	SL EGONF	00~01	01
D009	SL CRGON	00~3F	05
D010	SL CRGON	00~01	01
D011	SL ON OF	00~01	01
D012	SV GN	00~3F	18
D013	SVH GN	00~3F	13
D014	SH GN	00~3F	2F
D015	SV Pf	00~03	02
D016	SV PfH	00~01	01
D017	SV PfL	00~03	02
D018	SYL CON	00~3F	30
D019	SYL CONF	00~01	01
D020	SYH CON	00~3F	18
D021	SYH CONF	00~01	01
D022	SC CON	00~3F	36
D023	SC CNONF	00~01	01
D024	SPM BLC	00~3F	0C
D025	SPM BLCO	00~01	01
D026	SLIM	00~3F	25
D027	SLIMONF	00~01	01
D028	SCRG	00~3F	08
D029	SRGONF	00~01	01
D030	S ONF	00~01	01
D031	pb GN	00~3F	15
D032	pb PfH	00~01	00
D033	pb PfL	00~03	03
D034	pb CRG	00~3F	04
D035	pb CRGON	00~01	01
D036	pb ONF	00~01	01
D037	pr GN	00~3F	15
D038	pr PfH	00~01	00
D039	pr PfL	00~03	03

Item No.	Item	Variable range	Setting value
D040	pr CRG	00~3F	04
D041	pr CRGON	00~01	00
D042	pr ONF	00~01	01
D043	ENH ONF	00~01	01
D044	(NO DISPLAY)	00~FF	00
D045	(NO DISPLAY)	00~FF	00
D046	(NO DISPLAY)	00~FF	00
D047	(NO DISPLAY)	00~FF	00
D048	(NO DISPLAY)	00~FF	00
D049	(NO DISPLAY)	00~FF	00
D050	(NO DISPLAY)	00~FF	00
D051	(NO DISPLAY)	00~FF	00
D052	(NO DISPLAY)	00~FF	00
D053	(NO DISPLAY)	00~FF	00
D054	(NO DISPLAY)	00~FF	00
D055	(NO DISPLAY)	00~FF	00
D056	(NO DISPLAY)	00~FF	00
D057	(NO DISPLAY)	00~FF	00
D058	(NO DISPLAY)	00~FF	00
D059	(NO DISPLAY)	00~FF	00
D060	(NO DISPLAY)	00~FF	00
D061	(NO DISPLAY)	00~FF	00
D062	(NO DISPLAY)	00~FF	00
D063	(NO DISPLAY)	00~FF	00
D064	(NO DISPLAY)	00~FF	00
D065	(NO DISPLAY)	00~FF	00
D066	(NO DISPLAY)	00~FF	00
D067	(NO DISPLAY)	00~FF	00
D068	(NO DISPLAY)	00~FF	00
D069	(NO DISPLAY)	00~FF	00
D070	(NO DISPLAY)	00~FF	00
D071	(NO DISPLAY)	00~FF	00
D072	(NO DISPLAY)	00~FF	00
D073	(NO DISPLAY)	00~FF	00
D074	(NO DISPLAY)	00~FF	00
D075	(NO DISPLAY)	00~FF	00
D076	(NO DISPLAY)	00~FF	00
D077	(NO DISPLAY)	00~FF	00
D078	(NO DISPLAY)	00~FF	00
D079	(NO DISPLAY)	00~FF	00
D080	(NO DISPLAY)	00~FF	00
D081	(NO DISPLAY)	00~FF	00
D082	(NO DISPLAY)	00~FF	00
D083	(NO DISPLAY)	00~FF	00
D084	(NO DISPLAY)	00~FF	00
D085	(NO DISPLAY)	00~FF	00
D086	(NO DISPLAY)	00~FF	00
D087	(NO DISPLAY)	00~FF	00
D088	(NO DISPLAY)	00~FF	00
D089	(NO DISPLAY)	00~FF	00
D090	(NO DISPLAY)	00~FF	00
D091	(NO DISPLAY)	00~FF	00
D092	(NO DISPLAY)	00~FF	00
D093	(NO DISPLAY)	00~FF	00
D094	(NO DISPLAY)	00~FF	00
D095	(NO DISPLAY)	00~FF	00
D096	(NO DISPLAY)	00~FF	00
D097	(NO DISPLAY)	00~FF	00

Item No.	Item	Variable range	Setting value
D098	(NO DISPLAY)	00~FF	00
D099	(NO DISPLAY)	00~FF	00
D100	(NO DISPLAY)	00~FF	00
D101	(NO DISPLAY)	00~FF	00
D102	(NO DISPLAY)	00~FF	00
D103	(NO DISPLAY)	00~FF	00
D104	(NO DISPLAY)	00~FF	00
D105	(NO DISPLAY)	00~FF	00
D106	(NO DISPLAY)	00~FF	00
D107	(NO DISPLAY)	00~FF	00
D108	(NO DISPLAY)	00~FF	00
D109	(NO DISPLAY)	00~FF	00
D110	(NO DISPLAY)	00~FF	00
D111	(NO DISPLAY)	00~FF	00
D112	(NO DISPLAY)	00~FF	00
D113	(NO DISPLAY)	00~FF	00
D114	(NO DISPLAY)	00~FF	00
D115	(NO DISPLAY)	00~FF	00
D116	(NO DISPLAY)	00~FF	00
D117	(NO DISPLAY)	00~FF	00
D118	(NO DISPLAY)	00~FF	00
D119	(NO DISPLAY)	00~FF	00
D120	(NO DISPLAY)	00~FF	00
D121	(NO DISPLAY)	00~FF	00
D122	(NO DISPLAY)	00~FF	00
D123	(NO DISPLAY)	00~FF	00
D124	(NO DISPLAY)	00~FF	00
D125	(NO DISPLAY)	00~FF	00
D126	(NO DISPLAY)	00~FF	00
D127	(NO DISPLAY)	00~FF	00
D128	(NO DISPLAY)	00~FF	00
D129	(NO DISPLAY)	00~FF	00
D130	(NO DISPLAY)	00~FF	00
D131	(NO DISPLAY)	00~FF	00
D132	(NO DISPLAY)	00~FF	00
D133	(NO DISPLAY)	00~FF	00
D134	(NO DISPLAY)	00~FF	00
D135	(NO DISPLAY)	00~FF	00
D136	(NO DISPLAY)	00~FF	00
D137	(NO DISPLAY)	00~FF	00
D138	(NO DISPLAY)	00~FF	00
D139	(NO DISPLAY)	00~FF	00
D140	(NO DISPLAY)	00~FF	00
D141	(NO DISPLAY)	00~FF	00
D142	(NO DISPLAY)	00~FF	00
D143	(NO DISPLAY)	00~FF	00
D144	(NO DISPLAY)	00~FF	00
D145	(NO DISPLAY)	00~FF	00
D146	(NO DISPLAY)	00~FF	00
D147	(NO DISPLAY)	00~FF	00
D148	(NO DISPLAY)	00~FF	00
D149	(NO DISPLAY)	00~FF	00
D150	(NO DISPLAY)	00~FF	00
D151	(NO DISPLAY)	00~FF	00
D152	(NO DISPLAY)	00~FF	00
D153	(NO DISPLAY)	00~FF	00
D154	(NO DISPLAY)	00~FF	00
D155	(NO DISPLAY)	00~FF	00

Item No.	Item	Variable range	Setting value
D156	(NO DISPLAY)	00~FF	00
D157	(NO DISPLAY)	00~FF	00
D158	(NO DISPLAY)	00~FF	00
D159	(NO DISPLAY)	00~FF	00
D160	(NO DISPLAY)	00~FF	00
D161	(NO DISPLAY)	00~FF	00
D162	(NO DISPLAY)	00~FF	00
D163	(NO DISPLAY)	00~FF	00
D164	(NO DISPLAY)	00~FF	00
D165	(NO DISPLAY)	00~FF	00
D166	(NO DISPLAY)	00~FF	00
D167	(NO DISPLAY)	00~FF	00
D168	(NO DISPLAY)	00~FF	00
D169	(NO DISPLAY)	00~FF	00
D170	(NO DISPLAY)	00~FF	00
D171	(NO DISPLAY)	00~FF	00
D172	(NO DISPLAY)	00~FF	00
D173	(NO DISPLAY)	00~FF	00
D174	(NO DISPLAY)	00~FF	00
D175	(NO DISPLAY)	00~FF	00
D176	(NO DISPLAY)	00~FF	00
D177	(NO DISPLAY)	00~FF	00
D178	(NO DISPLAY)	00~FF	00
D179	(NO DISPLAY)	00~FF	00
D180	(NO DISPLAY)	00~FF	00
D181	(NO DISPLAY)	00~FF	00
D182	(NO DISPLAY)	00~FF	00
D183	(NO DISPLAY)	00~FF	00
D184	(NO DISPLAY)	00~FF	00
D185	(NO DISPLAY)	00~FF	00
D186	(NO DISPLAY)	00~FF	00
D187	(NO DISPLAY)	00~FF	00

4.5.1.5 MAIN CPU SETTING

Item No.	Item	Variable range	Setting value
Z001	(NO DISPLAY)	00~FF	00
Z002	(NO DISPLAY)	00~FF	00
Z003	(NO DISPLAY)	00~FF	00
Z004	(NO DISPLAY)	00~FF	00
Z005	(NO DISPLAY)	00~FF	00
Z006	(NO DISPLAY)	00~FF	00
Z007	(NO DISPLAY)	00~FF	00
Z008	(NO DISPLAY)	00~FF	00
Z009	(NO DISPLAY)	00~FF	00
Z010	(NO DISPLAY)	00~FF	00

4.6 ADJUSTMENT PROCEDURE

Item	Measuring instrument	Test point	Adjustment part	Description
PDP POWER VOLTAGE	Signal generator DC voltmeter Resistor (1kΩ) DC power supply	Connector CN0C4 Vs Vset Ve Va Vscan [MAIN POWER PWB]	Vs VR:170V ADJ (R9424) Vset VR:160V ADJ (R9640) Ve VR:155V ADJ (R9646) Va VR:70V ADJ (R9219) Vscan VR:-60V ADJ (R9628) [MAIN POWER PWB]	**CAUTION:** • During adjustment operation of PDP POWER VOLTAGE, don't touch the heat sink of the MAIN POWER PWB. If you touch it, electric shock may be caused. **< When MAIN POWER PWB is not replaced >** (1) Connect the DC voltmeter, load resistor (1kΩ), DC power supply and switch SW1 to the CN0C4 connector and turn on the main power and switch SW1. (See Fig.2) (2) Adjust Vs (170V ADJ) VR, Vset (160V ADJ) VR, Ve (155V ADJ) VR, Va (70V ADJ) VR and Vscan (-60V ADJ) VR so that the Vs, Vset, Ve, Va and Vscan voltage coincides with the values in the voltage label. (3) Input a NTSC all-black signal and check that it coincides with the values in the voltage label. (4) Readjust if the adjusted value is different from those in the voltage label. **NOTE:** • Designed value for the panel is printed on a label on the upper-right at the back of the PDP. (See Fig.3) **< When MAIN POWER PWB is replaced >** **CAUTION:** • Before making adjustments, be sure not to turn on the power when the CN8002, CN8003, CN8005, CN8006 and CN8008 connectors are connected, as this may cause the PDP to break down. (1) Disconnect the CN8002, CN8003, CN8005, CN8006 and CN8008 connectors on the MAIN POWER PWB. (2) Connect the DC voltmeter, load resistor (1kΩ), DC power supply and switch SW1 to the CN0C4 connector and turn on the main power and switch SW1. (See Fig.2) (3) Adjust Vs (170V ADJ) VR, Vset (160V ADJ) VR, Ve (155V ADJ) VR, Va (70V ADJ) VR and Vscan (-60V ADJ) VR so that the Vs, Vset, Ve, Va and Vscan voltage coincides with the values in the voltage label. (4) Turn off the main power and switch SW1, and connect the CN8002, CN8003, CN8005, CN8006 and CN8008 connectors and turn on the power again. (5) Input a NTSC all-black signal and check that it coincides with the values in the voltage label. (6) If the adjusted value is different from those in the voltage label, fine-tune without unplugging the connectors. **CAUTION:** • Designated power supply voltage of the panel (Vs, Vset, Ve, Va, Vscan) varies according to the PDP unit. • Pay careful attention during adjustment, as any error in procedure may cause the PDP to break down.

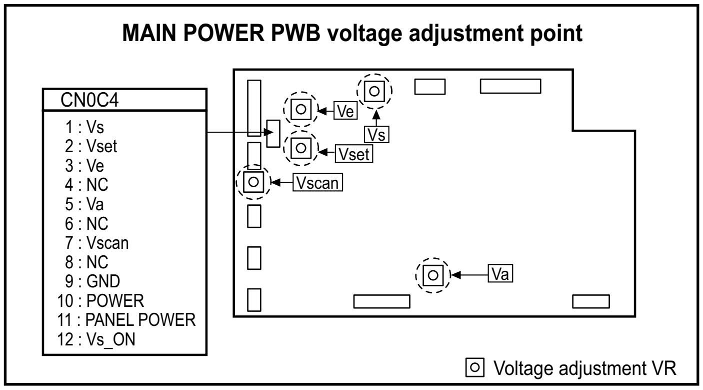

MAIN POWER PWB voltage adjustment point
CN0C4
1 : Vs
2 : Vset
3 : Ve
4 : NC
5 : Va
6 : NC
7 : Vscan
8 : NC
9 : GND
10 : POWER
11 : PANEL POWER
12 : Vs_ON
Ve
Vs
Vset
Vscan
Va
Voltage adjustment VR

Fig. 1

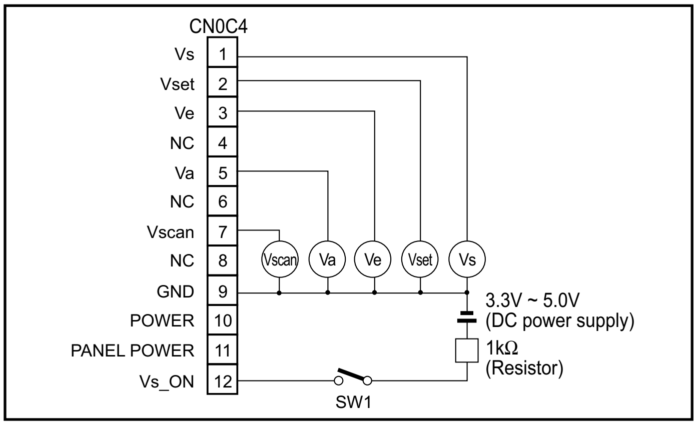

CN0C4
Vs 1
Vset 2
Ve 3
NC 4
Va 5
NC 6
Vscan 7
NC 8
GND 9
POWER 10
PANEL POWER 11
Vs_ON 12
Vscan
Va
Ve
Vset
Vs
3.3V ~ 5.0V
(DC power supply)
1kΩ
(Resistor)
SW1

Fig. 2

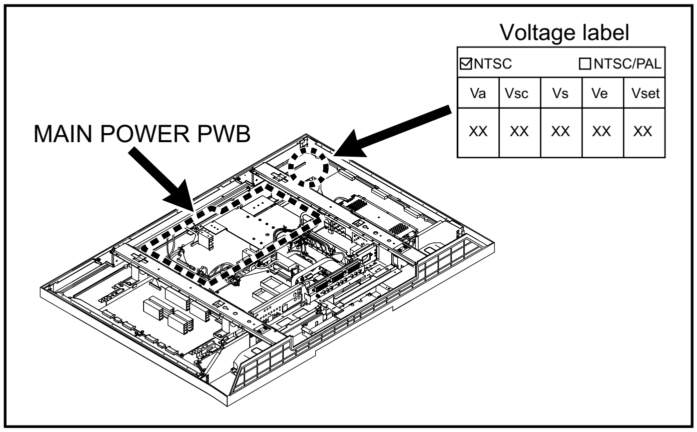
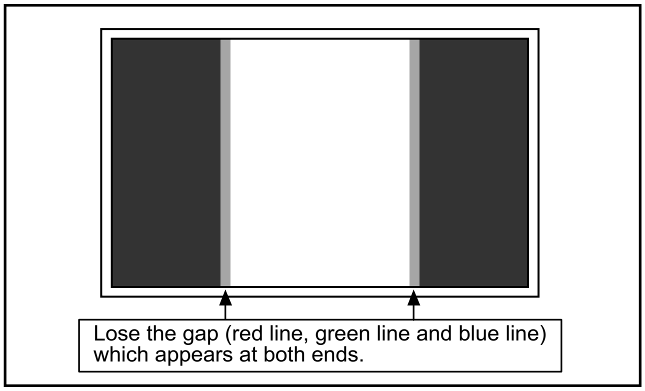
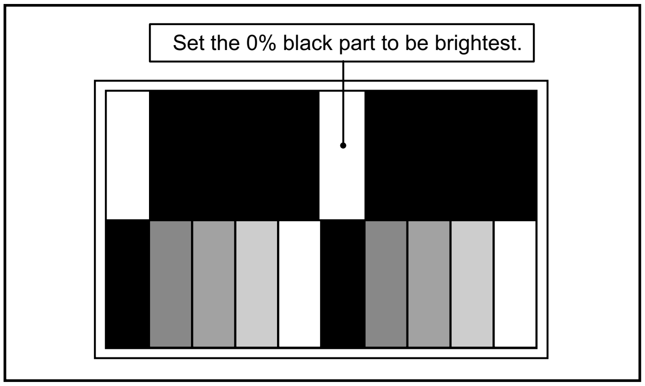
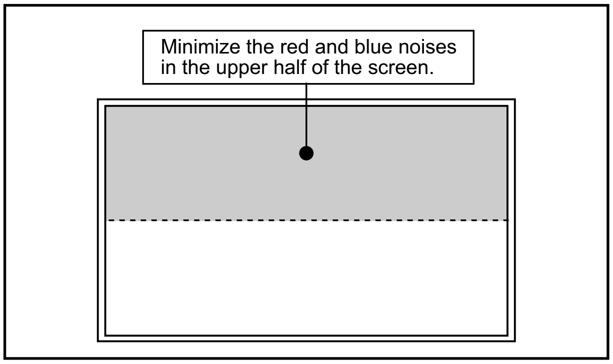
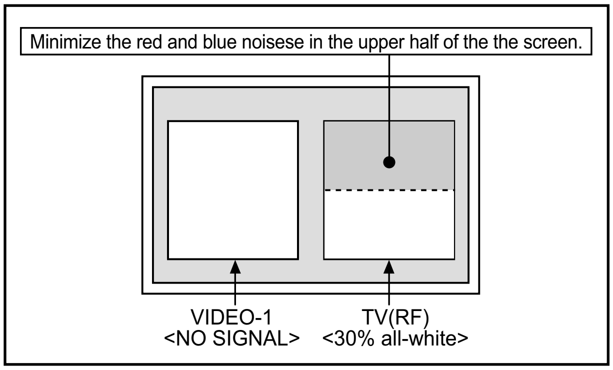
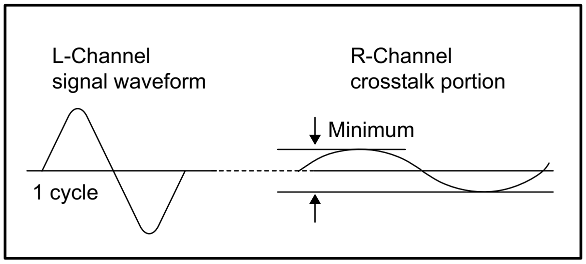

Voltage label
☑NTSC
☐NTSC/PAL
Va Vsc Vs Ve Vset
XX XX XX XX XX
MAIN POWER PWB

Fig. 3

Item	Measuring instrument	Test point	Adjustment part	Description
525i A-D OFFSET	Remote control unit Signal generator		[1. ADJUST] S001:PREPARE (adjustment setting mode change) S008:5i CB OF (525i blue offset) S009:5i CR OF (525i red offset) S030:R DRIVE (Red drive) S031:G DRIVE (Green drive) S032:B DRIVE (Blue drive)	(1) Receive a 525i component ramp pattern signal. (2) Set VIDEO STATUS to “STANDARD”. (3) Select “1.ADFJUST” from the SERVICE MENU. (4) Set < S030 > (Red drive), < S031 > (Green drive) and < S032 > (Blue drive) to set “133”. (5) Set < S001 >(adjustment setting mode change) to set “008” and it change to the 525i A-D offset adjustment setting mode. (6) Set < S008 > (525i blue offset) and < S009 > (525i red offset) to lose the gap (red line, green line and blue line) which appears at both ends of a white part at the center of the screen. (See Fig.4) (7) Set < S001 > to set “000” and it change to the normal mode. (8) Press the [MUTING] key to memorize the set value.
 Lose the gap (red line, green line and blue line) which appears at both ends. Fig. 4				
1125i BRIGHTNESS	Remote control unit Signal generator		[1. ADJUST] S001:PREPARE (adjustment setting mode change) S012:HD BL (1125i brightness) S030:R DRIVE (Red drive) S031:G DRIVE (Green drive) S032:B DRIVE (Blue drive)	(1) Receive a 1125i gray scale pattern signal . (2) Set VIDEO STATUS to “STANDARD”. (3) Select “1.ADFJUST” from the SERVICE MENU. (4) Set < S030 > (Red drive), < S031 > (Green drive) and < S032 > (Blue drive) to set “133”. (5) Set < S001 > (adjustment setting mode change) to set the values “012” and it change to the 1125i brightness adjustment setting mode. (6) Set < S012 > (1125i brightness) to set the 0% black part in the upper half of the screen to be brightest. (See Fig.5) (7) Set < S001 > to set “000” and it change to the normal mode. (8) Press the [MUTING] key to memorize the set value.
 Fig.5				

<table>
<tr><th>Item</th><th>Measuring instrument</th><th>Test point</th><th>Adjustment part</th><th>Description</th></tr>
<tr><td>1125i
A-D OFFSET</td><td>Remote control unit
Signal generator</td><td></td><td>[1. ADJUST]
S001:PREPARE (adjustment setting mode change)
S013:HD CB OF (1125i blue offset)
S014:HD CR OF (1125i res offset)
S030:R DRIVE (Red drive)
S031:G DRIVE (Green drive)
S032:B DRIVE (Blue drive)</td><td rowspan="2">(1) Receive a 1125i 30% all-white pattern signal.
(2) Set VIDEO STATUS to “STANDARD”.
(3) Select “1.ADFJUST” from the SERVICE MENU.
(4) Set < S030 > (Red drive), < S031 > (Green drive) and < S032 > (Blue drive) to set “133”.
(5) Set < S001 > (adjustment setting mode change) to set “013” and it change to the 1125i A-D offset adjustment setting mode.
(6) Set < S013 > (1125i blue offset) to minimize the blue noise in the upper half of the screen. (See Fig.6)
(7) Set < S014 > (1125i red offset) to minimize the red noise in the upper half of the screen. (See Fig.6)
(8) Readjust < S013 > and < S014 > to set the upper half of the screen to be the blackest. (See Fig.6)
(9) Set < S001 > to set “000” and it change to the normal mode.
(10) Press the [MUTING] key to memorize the set value.</td></tr>
<tr><td colspan="4">
Minimize the red and blue noises in the upper half of the screen.
Fig. 6</td></tr>
<tr><td>SUB-SCREEN
A-D OFFSET</td><td>Remote control unit
Signal generator</td><td></td><td>[1. ADJUST]
S001:PREPARE (adjustment setting mode change)
S016:RT CB OF (Sub screen blue offset)
S017:RT CR OF (Sub screen red offset)
S030:R DRIVE (Red drice)
S031:G DRIVE (Green drive)
S032:B DRIVE (Blue drive)</td><td rowspan="2">(1) Set VIDEO STATUS to “STANDARD”.
(2) Set MULTI-PICTURE to “TWIN-PICTURE”.
(3) Receive a NTSC 30% all-white pattern signal on the right screen. At this time, make the left screen VIDEO-1 mode (No signal).
(4) Select “1.ADFJUST” from the SERVICE MENU.
(5) Set < S030 > (Red drive), < S031 > (Green drive) and < S032 > (Blue drive) to set “133”.
(6) Set < S001 > (adjustment setting mode change) to set “017” and it change to the sub-screen A-D offset adjustment setting mode.
(7) Set < S016 > (Sub-screen blue offset) to minimize the blue noise in the upper half of the screen. (See Fig.7)
NOTE:
• If you select an adjustment item < S016 >, then the screen automatically turn to twin pictures mode.
(8) Set < S017 > (Sub-screen red offset) to minimize the red noise in the upper half of the screen. (See Fig.7)
(9) Readjust < S016 > and < S017 > to set the upper half of the screen to be the blackest. (See Fig.7)
(10) Set < S001 > to set “000” and it change to the normal mode.
(11) Press the [MUTING] key to memorize the set value.</td></tr>
<tr><td colspan="4">
Minimize the red and blue noisese in the upper half of the the screen.
VIDEO-1
<NO SIGNAL>
TV(RF)
<30% all-white>
Fig. 7</td></tr>
</table>

Item	Measuring instrument	Test point	Adjustment part	Description
WHITE BALANCE (HIGH LIGHT)	Remote control unit Signal generator		[1. ADJUST] S030:R DRIVE (Red drive) S031:G DRIVE (Green drive) S032:B DRIVE (Blue drive)	(1) Receive a NTSC 75% all-white pattern signal. (2) Set VIDEO STATUS to “STANDARD”. (3) Set COLOR TEMPERATURE to “LOW”. (4) Select “1.ADFJUST” from the SERVICE MENU. (5) Keep one of < S030 > (Red drive), < S031 > (Green drive) or < S032 > (Blue drive) unchanged, then lower the other two so that the all-white screen is equally white throughout. **NOTE:** • Set one or more of < S030 >, < S031 > and < S032 > to set values “133”. (6) Check that white balance is properly tracked from low light to high light. If the white balance tracking is deviated, adjust to correct it. (7) Press the [MUTING] key to memorize the set value.
MTS INPUT LEVEL	Remote control unit Signal generator		[1.ADJUST] T001:IN LEVEL (MTS input level)	(1) Receive a NTSC colour bar signal (400 Hz). (2) Set AUDIO OUT to “FIX”. (3) Set SMART SOUND to “OFF”. [PD-42V485/S] (4) Select “1.ADJUST” from the SERVICE MENU. (5) Verify that the <T001> (MTS input level) is set at its initial setting value. (6) Press the [MUTING] key to memorize the set value.
MTS SEPARATION	Remote control unit TV audio multiplex signal generator Oscilloscope	AUDIO L OUT AUDIO R OUT	[1.ADJUST] T002:LOW SEP (MTS low separation) T003:HIGH SEP (MTS high separation)	(1) Receive a stereo L signal (300Hz) from the TV audio multiplex signal generator to the antenna terminal. (2) Set MTS to “STEREO". (3) Set AUDIO OUT to “FIX". (4) Set SMART SOUND to “OFF". [PD-42V485/S] (5) Connect the oscilloscope to AUDIO L OUT, and display one cycle portion of the 300Hz signal. (6) Change the connection of the oscilloscope to AUDIO R OUT, and enlarge the voltage axis. (7) Select “1.ADJUST" from the SERVICE MENU. (8) Set < T002 > (MTS low separation) so that the stroke element of the 300Hz signal will become minimum. (9) Receive a stereo R signal (3kHz) from the TV audio multiplex signal generator to the antenna terminal. (10) Set < T003 > (MTS high separation) so that the stroke element of the 3kHz signal will become minimum. (11) Press the [MUTING] key to memorize the set value.
 L-Channel signal waveform R-Channel crosstalk portion Minimum 1 cycle **Fig. 8**				

SECTION 5
TROUBLESHOOTING

5.1 SELF-CHECK FEATURE

5.1.1 OUTLINE

This model has a “Self-check function”, which checks the operation state of the circuits and informs us of a failure by flashing POWER LED when a failure occurs.

Diagnosis is performed when power is turned on, and information input to the main microcomputer is monitored at all time.

Failure detection is based on input state of I^2C bus and the various control lines connected to the main microcomputer.

5.1.2 HOW TO ENTER THE SELF-CHECK MODE

(1) Press the [SLEEP TIMER] key, and set it to 0 minutes.
(2) Press the [DISPLAY] key and the [VIDEO STATUS] key simultaneously, then the SERVICE MENU screen will be displayed. (See Fig.1)
(3) In the SERVICE MENU, press the [2] key. Then, the SELF-CHECK screen will be displayed. (See Fig.2)
(4) Press the [SLEEP TIMER] key, then the second page of the SELF-CHECK screen will be displayed.

NOTE:

- When the [RETURN +] key pressed, the first page change screen.

5.1.3 HOW TO EXIT THE SELF-CHECK

(1) When you leave the failure history
Press the [MENU] key to exit the SELF-CHECK.

(2) When you not leave the failure history
In the SELF-CHECK, press the [POWER] key. Then the power is turned off.

5.1.4 FAILURE HISTORY

Failure history can be counted up to 9 times for each item.When the number exceeds 9, display will remain as 9. Failure history will be stored in the memory unless it has been deleted.

NOTE:

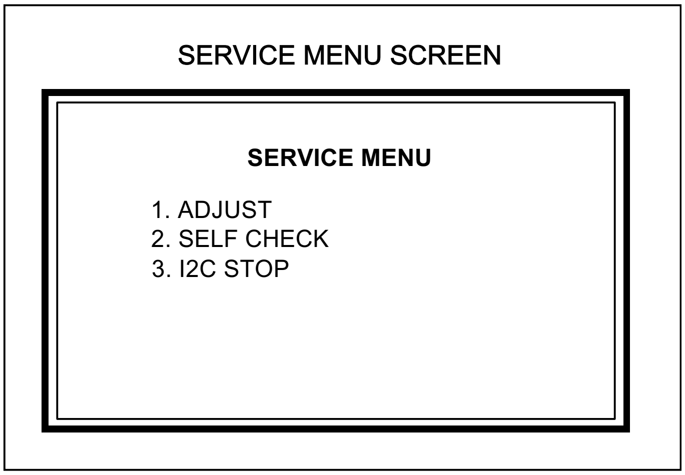
Only SYNC (with/without sync signals) will be neither counted nor stored.

5.1.5 POINTS TO NOTE WHEN USING THE SELF-CHECK FEATURE

In addition to circuit failures (abnormal operation), the following cases may also be iagnosed as “Abnormal” and displayed and counted as “NG”.

(1) Temporary defective transmissions across circuits due to pulse interruptions.
(2) Misalignment in the on/off timing of power for I^2C bus (Vcc) when turning on/off the main power.

Diagnosis may be impeded if a large number of items are displayed as “NG”. As such, start self-check only after 5 seconds in the case of panels upon turning on the power. If recurrences are expected, ensure to clear (reset) the failure history and record the new self-check reults.

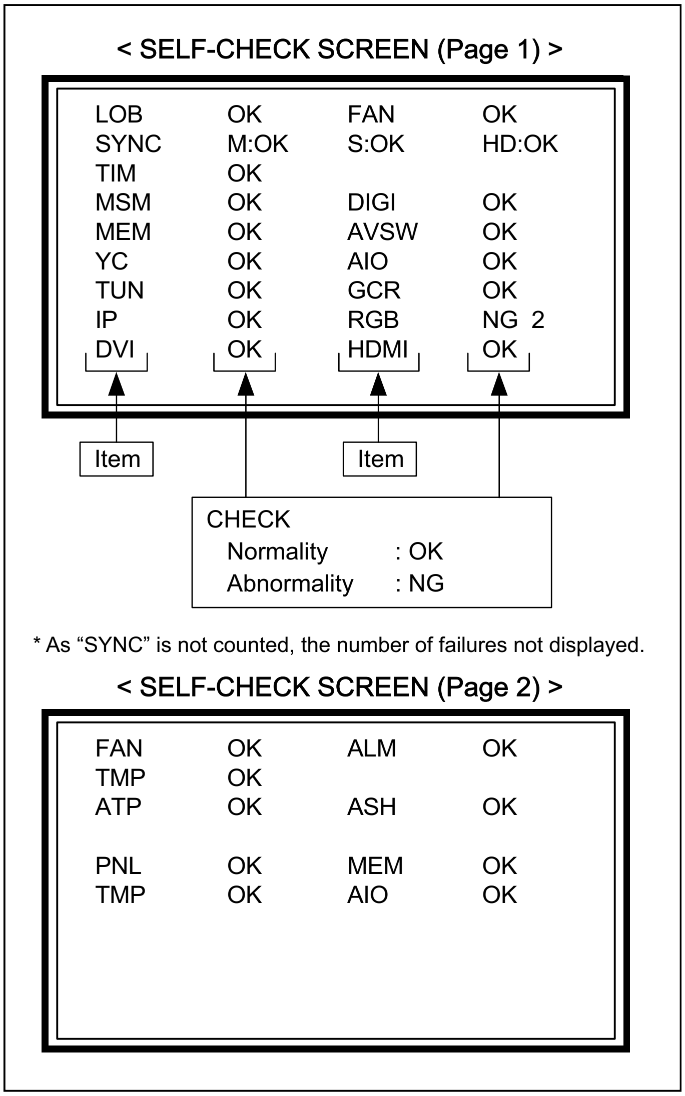


SERVICE MENU SCREEN

SERVICE MENU

1. ADJUST
2. SELF CHECK
3. I2C STOP

Fig. 1



< SELF-CHECK SCREEN (Page 1) >

LOB	OK	FAN	OK
SYNC	M:OK	S:OK	HD:OK
TIM	OK		
MSM	OK	DIGI	OK
MEM	OK	AVSW	OK
YC	OK	AIO	OK
TUN	OK	GCR	OK
IP	OK	RGB	NG 2
DVI	OK	HDMI	OK

CHECK
Normality : OK
Abnormality : NG

* As “SYNC” is not counted, the number of failures not displayed.

< SELF-CHECK SCREEN (Page 2) >

FAN	OK	ALM	OK
TMP	OK		
ATP	OK	ASH	OK
PNL	OK	MEM	OK
TMP	OK	AIO	OK

Fig. 2

5.1.6 DETAILS

Self- check is performed for the following items.

< PAGE 1 OF SCREEN >

Detection item	Item name	Detection content	Detection signal (line)	Detection timing
Low bias line short protection	LOB	Confirm the operation of the low bais (2.5V / 3.3V / 5V / 9V) protection circuit. Q9822 [REGULATOR PWB]	LB_PRO	Detection starts 3 seconds after the power is turned on. If error continues between 400ms, the power is turned off.
Fan lock	FAN	Not used.	---	Not used.
Presence of sync signal	SYNC	Confirmation of presence of video sync signal. M : Main sync signal S : Sub sync signal HD : Component sync signal IC201 [ANALOG SIGNAL PWB]	SDA	Confirmation of presence of sync signal in video signal.
AC power input	TIM	Not used.	---	Not used.
Main CPU communication	MSM	Confirmation of ACK (response) signal which uses sync communications with chassis CPU. IC7601 [DIGITAL SIGNAL PWB]	WAKE	If it checks whenever sync communication with SHM performed , and no reply of ACK signal, an error will be counted.
Digital tuner	DIGI	Not used.	---	Not used.
Main memory	MEM	Confirmation of reply of ACK signal which uses I^{2}C communication. IC7602 [DIGITAL SIGNAL PWB]	SDA	If it checks whenever I^{2}C communication is performed, and no reply of ACK signal, an error will be counted.
AV select	AVSW	Same as above. IC301, IC501 [ANALOG SIGNAL PWB]	SDA	Same as above.
3 dimensions YC separation	YC	Same as above. IC1001 [DIGITAL SIGNAL PWB]	SDA	Same as above.
Multi sound process	AIO	Same as above. IC3101 [RECEIVER PWB]	SDA	Same as above.
RF tuner	TUN	Same as above. TU3001 [RECEIVER PWB]	SDA	Same as above.
Ghost reduction	GCR	Not used.	---	Not used.
DIST process	IP	Confirmation of reply of ACK signal which uses I^{2}C communication. IC3001 [DIGITAL SIGNAL PWB]	SDA	If it checks whenever I^{2}C communication is performed, and no reply of ACK signal, an error will be counted.
RGB process	RGB	Same as above. IC4001 [DIGITAL SIGNAL PWB]	SDA	Same as above.
DVI (Digital communication)	DVI	Not used.	---	Not used.
Digital input	HDMI	Confirmation of reply of ACK signal which uses I^{2}C communication. [DIGITAL SIGNAL PWB]	SDA	If it checks whenever I^{2}C communication is performed, and no reply of ACK signal, an error will be counted.

< PAGE 2 OF SCREEN >

Detection item	Item name	Detection content	Detection signal (line)	Detection timing
Fan lock	FAN	Not used.	---	Not used.
Abnormal of operation of PDP (PANEL)	ALM	Confirm the operation of the panel protection. [PDP UNIT]	SDA	Detection starts 8 seconds after the power is turned on. Detection is performed every 16ms. If errors continues between 300ms, the power is turned off.
Abnormal rise of temperature in PDP (PANEL)	TMP	It detects whether the temperature in a display unit is normal. IC8101 [TEMP. SENSOR PWB]	SDA	Detection starts 8 seconds after the power is turned on. Detection is performed every 0.5 seconds. If a temperature rises beyond the temperature of 71°C for detection of error over the predetermined 120 times, the power is turned off.
Abnormal rise of temperature in AUDIO PWB	ATP	Not used	---	Not used.
Short circuit detection of AUDIO PWB	ASH	Not used.	---	Not used.
Panel communication	PNL	It confirm whether panel communication is normal. [PDP UNIT]	SDA	If it checks whenever I^{2}C communication is performed, and no reply of ACK signal, an error will be counted.
Panel memory	MEM	Confirmation of reply of ACK signal which uses I^{2}C communication. IC805 [INTERFACE PWB]	SDA	If it checks whenever I^{2}C communication is performed, and no reply of ACK signal, an error will be counted.
Temp. sensor operation	TMP	Same as above. IC8101 [TEMP. SENSOR PWB]	SDA	Same as above.
Audio control	AIO	Same as above. IC6521 [AUDIO PWB]	SDA	Same as above.

5.1.7 METHOD OF DISPLAY WHEN A RASTER IS NOT OUTPUT

In the state where a raster is not output by breakdown of the set, an error is displayed by blink of the POWER LED.

Type of error	Item name	POWER LED flash cycle
Low bias line short	LOB	Low luminance green Flash 1.0 second / Low luminance green Out 1.0 seconds
Abnormal of operation of PDP (PANEL)	ALM	High luminance green Flash 1.0 second / High luminance green Out 1.0 seconds
Abnormal rise of temperature in PDP (PANEL)	TMP	High luminance green Flash 2.0 second / High luminance green Out 2.0 seconds
Abnormal rise of temperature in AUDIO PWB	ATP	High luminance green Flash 0.1 second / Low luminance green Out 0.1 seconds

< EXPLANATION OF OPERATION >

If error is detected, the power is turned off.
Shortly after a power is turned off, POWER LED will be blinked.
Power cannot be turned on until the power cord takes out and inserts, after a power is turned off.

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Printed in Japan
WPC

PARTS LIST

CAUTION

- The parts identified by the ⚠ symbol are important for the safety . Whenever replacing these parts, be sure to use specified ones to secure the safety.
- The parts not indicated in this Parts List and those which are filled with lines --- in the Parts No. columns will not be supplied.
- P.W. BOARD Ass'y will not be supplied, but those which are filled with the Parts No. in the Parts No. columns will be supplied.

ABBREVIATIONS OF RESISTORS, CAPACITORS AND TOLERANCES

RESISTORS		**CAPACITORS**	
CR	Carbon Resistor	C CAP.	Ceramic Capacitor
FR	Fusible Resistor	E CAP.	Electrolytic Capacitor
PR	Plate Resistor	M CAP.	Mylar Capacitor
VR	Variable Resistor	CH CAP.	Chip Capacitor
HV R	High Voltage Resistor	HV CAP.	High Voltage Capacitor
MF R	Metal Film Resistor	MF CAP.	Metalized Film Capacitor
MG R	Metal Glazed Resistor	MM CAP.	Metalized Mylar Capacitor
MP R	Metal Plate Resistor	MP CAP.	Metalized Polystyrol Capacitor
OM R	Metal Oxide Film Resistor	PP CAP.	Polypropylene Capacitor
CMF R	Coating Metal Film Resistor	PS CAP.	Polystyrol Capacitor
UNF R	Non-Flammable Resistor	TF CAP.	Thin Film Capacitor
CH V R	Chip Variable Resistor	MPP CAP.	Metalized Polypropylene Capacitor
CH MG R	Chip Metal Glazed Resistor	TAN. CAP.	Tantalum Capacitor
COMP. R	Composition Resistor	CH C CAP.	Chip Ceramic Capacitor
LPTC R	Linear Positive Temperature Coefficient Resistor	BP E CAP.	Bi-Polar Electrolytic Capacitor
		CH AL E CAP.	Chip Aluminum Electrolytic Capacitor
		CH AL BP CAP.	Chip Aluminum Bi-Polar Capacitor
		CH TAN. E CAP.	Chip Tantalum Electrolytic Capacitor
		CH AL BP E CAP.	Chip Tantalum Bi-Polar Electrolytic Capacitor

RESISTORS									
F	G	J	K	M	N	R	H	Z	P
±1%	±2%	±5%	±10%	±20%	±30%	+30% -10%	+50% -10%	+80% -20%	+100% -0%

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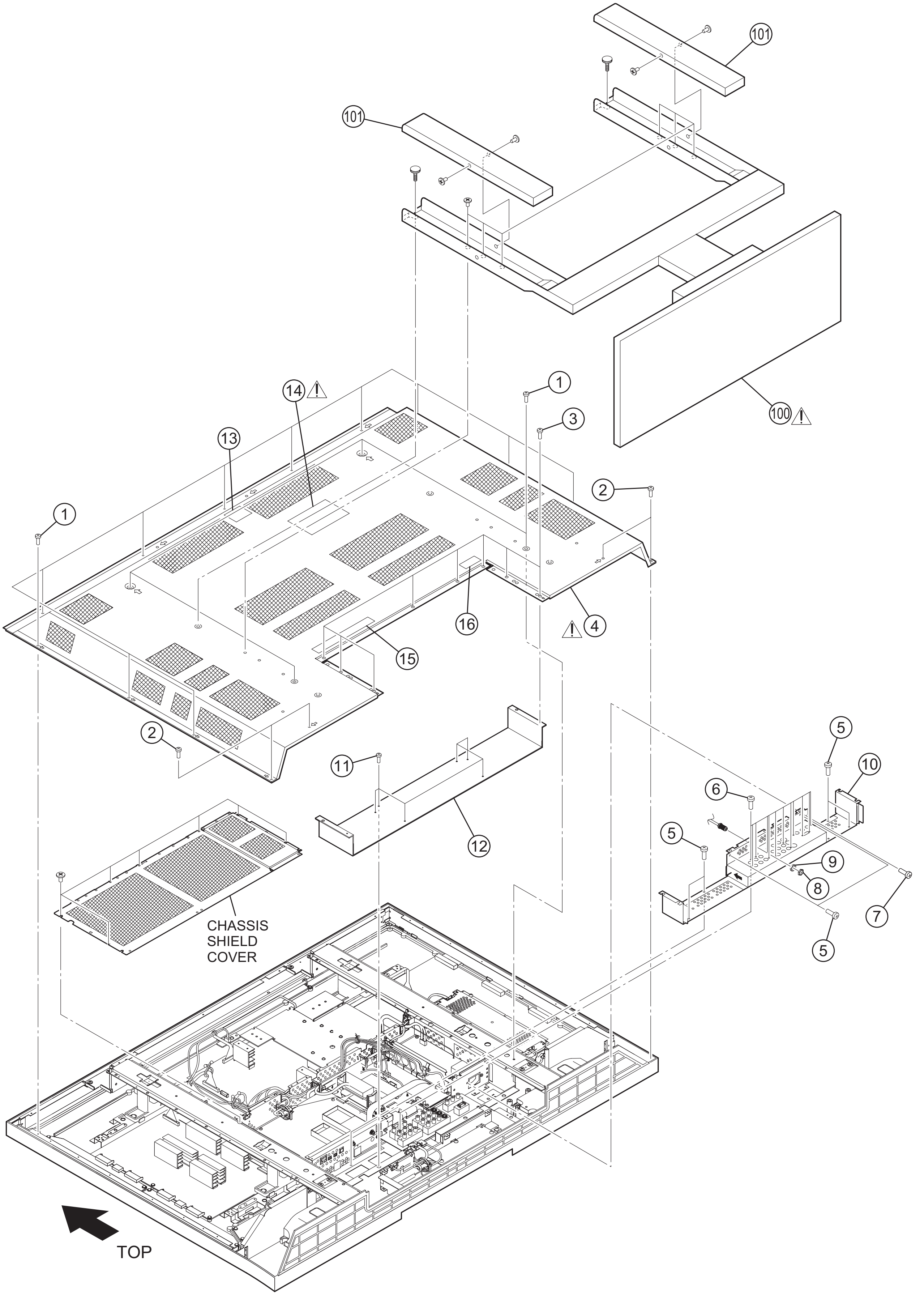
USING P.W. BOARD & REMOTE CONTROL UNIT

P.W.B ASS'Y	PD-42V475/S	PD-42V485/S
RECEIVER P.W.B	SFP0F502A-M2	←
ANALOG SIGNAL P.W.B	SFP0A503A-M2	←
AV JACK P.W.B	SFP0J502A-M2	←
DIGITAL SIGNAL P.W.B	SFP0D503A-M2	SFP0D504A-M2
INTERFACE P.W.B	SFP-7505A-M2	SFP-7506A-M2
AUDIO P.W.B	SFP-6004A-M2	←
FRONT CONTROL P.W.B	SFP-8502A-M2	←
FRONT LED P.W.B	SFP-8502A-M2	←
TEMP. SENSOR P.W.B	SFP-8502A-M2	←
REGULATOR P.W.B	SFP-9203A-M2	←
LINE FILTER P.W.B	SFP-9510A-M2	←
MAIN POWER P.W.B	SFP-9504A-M2	←
SUB POWER P.W.B	SFP-9506A-M2	←
PDP UNIT		
X-MAIN P.W.B	LJ92-00943A	←
Y-MAIN P.W.B	LJ92-00944B	←
E-BUFFER P.W.B	LJ92-00811A	←
F-BUFFER P.W.B	LJ92-00812A	←
G-BUFFER P.W.B	LJ92-00813A	←
LOGIC-MAIN P.W.B	LJ92-00975A	←
Y-BUFFER-U P.W.B	LJ9200796A	←
Y-BUFFER-L P.W.B	LJ9200797A	←
REMOTE CONTROL UNIT	RM-C1257G-1H	←

EXPLODED VIEW PARTS LIST - 1

⚠	Ref.No.	Part No.	Part Name	Description	Local
	1	LC41647-001B	SCREW	(x15)	
	2	QYSBSFG4016M	TAP SCREW	M4 x 16mm(x4)	
	3	QYSBSG3008M	TAP SCREW	M3 x 8mm(x8)	
	4	LC11892-001B-0K	REAR COVER		
	5	QYSBSG3008MA	TAP SCREW	M3 x 8mm(x6)	
	6	QYSBSF3008M	TAP SCREW	M3 x 8mm(x12)	
	7	QYSBSG3012MA	TAP SCREW	M3 x 12mm	
	8	WM40532-001	NUT		
	9	CM46798-001	WASHER		
	10	LC11933-002C-0K	TERMINAL COVER		
	11	QYSBSG3008M	TAP SCREW	M3 x 8mm(x6)	
	12	LC11893-001A-0K	CENTER COVER		
	13	LC41693-001A	CAUTION LABEL		
⚠	14	LC32914-001A-A	RATING LABEL		
	15	LC32822-002A	TERMINAL LABEL		
	16	LC41694-002A	INLET LABEL		
⚠	100	LC41796-001A	TABLE STAND ASS'Y	Inc.101	PD-42V475/S
⚠	100	LC41964-001A	TABLE STAND ASS'Y	Inc.101	PD-42V485/S
	101	LC11709-001A	STAND COVER		PD-42V475/S
	101	LC11709-002B	STAND COVER		PD-42V485/S

EXPLODED VIEW - 1



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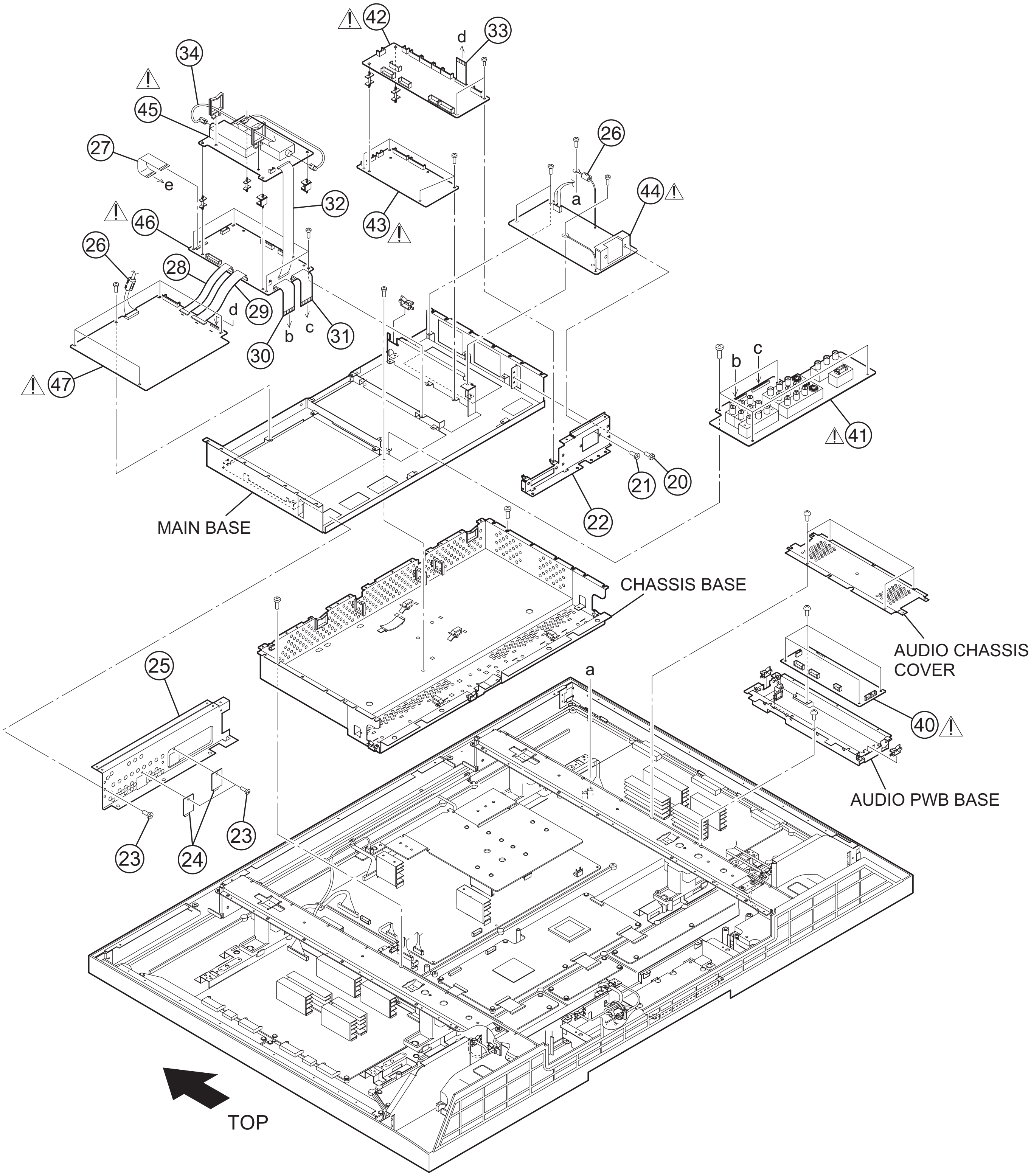
11
12
CHASSIS SHIELD COVER
TOP

EXPLODED VIEW PARTS LIST - 2

⚠	Ref.No.	Part No.	Part Name	Description	Local
	20	QYSBSG3008M	TAP SCREW	M3 x 8mm	
	21	QYSBSG3012MA	TAP SCREW	M3 x 12mm	
	22	LC21553-001C-0K	AC INLET PANEL		
	23	QYSBSG3008M	TAP SCREW	M3 x 8mm(x3)	PD-42V475/S
	23	QYSBSG3008MA	TAP SCREW	M3 x 8mm(x3)	PD-42V485/S
	24	LC41903-001A	CONNECT COVER	(x2)	
	25	LC21550-003B-0K	DIGITAL TERMINAL COVER		
	26	QQR0491-001	FERRITE CORE	GRAY(x2)	
	27	QUQ105-5034AE	FFC WIRE	50pin 34cm	
	28	QUQ105-3004AA	FFC WIRE	30pin 4cm	
	29	QUQ105-5004AA	FFC WIRE	50pin 4cm	
	30	QUQ105-5004AE	FFC WIRE	50pin 4cm	
	31	QUQ105-5004AE	FFC WIRE	50pin 4cm	
	32	QUQ105-4004AA	FFC WIRE	40pin 4cm	
	33	QUQ105-3022AH	FFC WIRE	30pin 22cm	
	34	QAM0493-001	F CABLE		
⚠	40	SFP-6004A-M2	AUDIO PWB		
⚠	41	SFP0J502A-M2	AV JACK PWB		
⚠	42	SFP-7505A-M2	INTERFACE PWB		PD-42V475/S
⚠	42	SFP-7506A-M2	INTERFACE PWB		PD-42V485/S
⚠	43	SFP-9203A-M2	REGULATOR PWB		
⚠	44	SFP-9510A-M2	LINE FILTER PWB		
⚠	45	SFP0F502A-M2	RECEIVER PWB		
⚠	46	SFP0A503A-M2	ANALOG SIGNAL PWB		
⚠	47	SFP0D503A-M2	DIGITAL SIGNAL PWB		PD-42V475/S
⚠	47	SFP0D504A-M2	DIGITAL SIGNAL PWB		PD-42V485/S

EXPLODED VIEW - 2

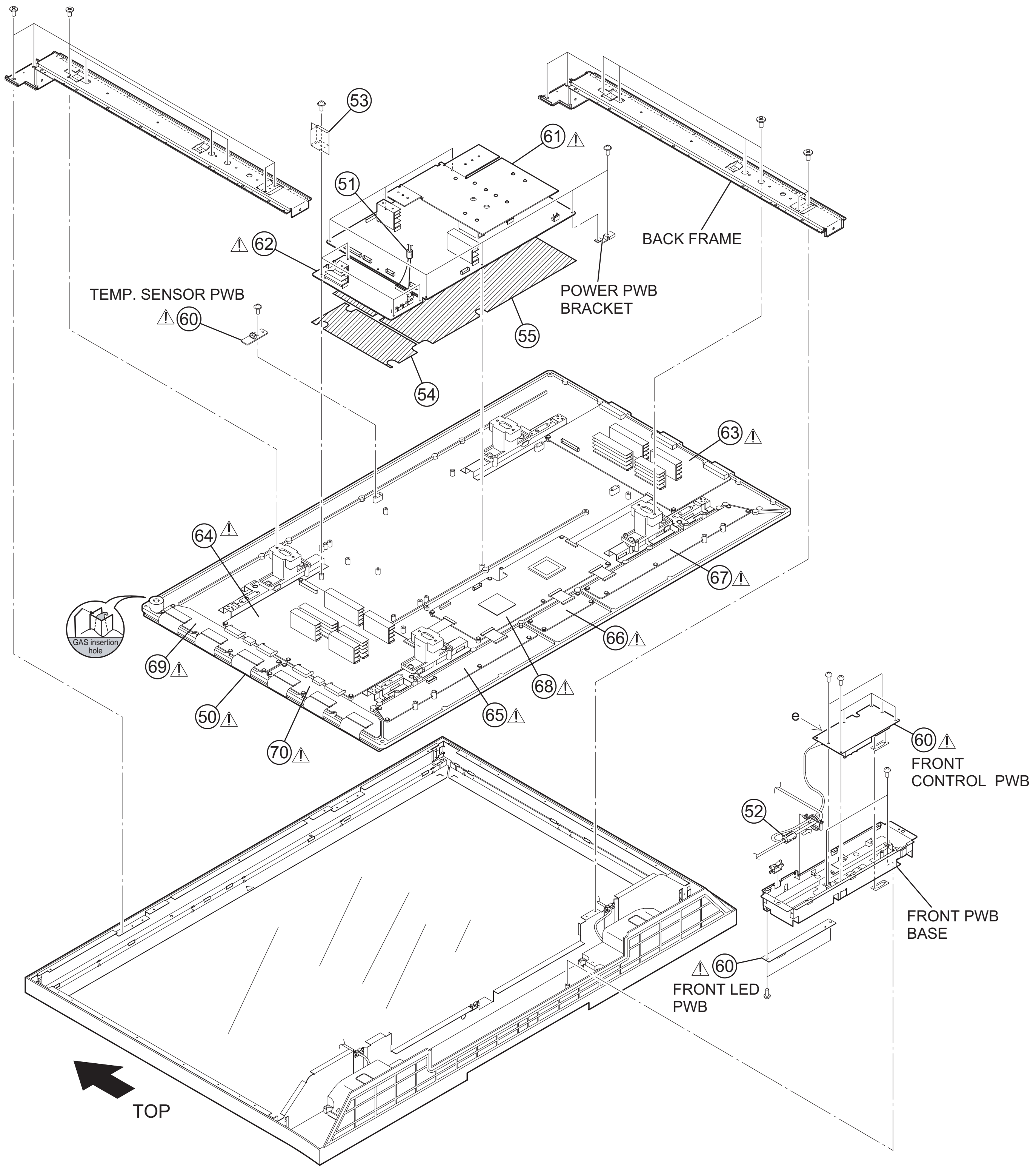


42
33
d
34
45
26
27
e
32
44
a
46
43
26
28
29
d
b
c
31
30
b
c
47
41
MAIN BASE
21
20
22
CHASSIS BASE
AUDIO CHASSIS COVER
25
a
40
23
24
23
AUDIO PWB BASE
TOP

EXPLODED VIEW PARTS LIST - 3

⚠	Ref.No.	Part No.	Part Name	Description	Local
⚠	50	QLE0028-001	PDP	Inc.PWB in PDP UNIT	
	51	QQR0918-001	CORE FILTER		
	52	QQR0491-001	FERRITE CORE	GRAY	
	53	LC32562-001A	INSULATOR		
	54	LC32561-001A	INSULATOR		
	55	LC21459-001A	INSULATOR		
⚠	60	SFP-8502A-M2	FRONT CONTROL PWB	Inc.TEMP. SENSOR PWB, FRONT LED PWB	
⚠	61	SFP-9504A-M2	MAIN POWER PWB		
⚠	62	SFP-9506A-M2	SUB POWER PWB		
⚠	63	LJ92-00943A	X-MAIN PWB		
⚠	64	LJ92-00944B	Y-MAIN PWB		
⚠	65	LJ92-00811A	E-BUFFER PWB		
⚠	66	LJ92-00812A	F-BUFFER PWB		
⚠	67	LJ92-00813A	G-BUFFER PWB		
⚠	68	LJ92-00975A	LOGIC-MAIN PWB		
⚠	69	LJ9200796A	Y-BUFFER-U PWB		
⚠	70	LJ9200797A	Y-BUFFER-L PWB		

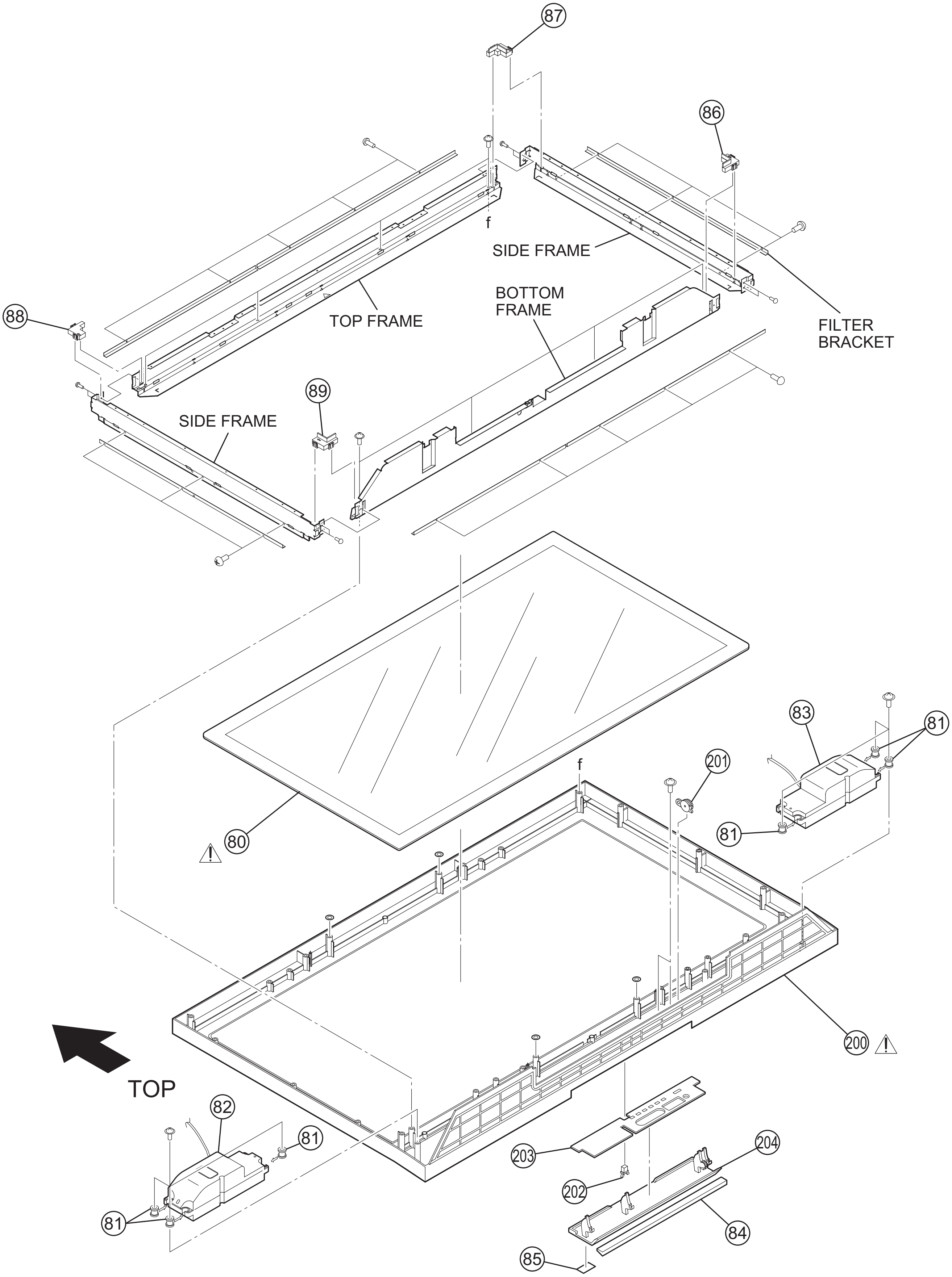
EXPLODED VIEW - 3


53
61 ⚠
51
⚠ 62
BACK FRAME
POWER PWB
BRACKET
TEMP. SENSOR PWB
⚠ 60
55
54
63 ⚠
64 ⚠
67 ⚠
GAS insertion hole
66 ⚠
69 ⚠
68 ⚠
50 ⚠
65 ⚠
70 ⚠
e
60 ⚠
FRONT
CONTROL PWB
52
FRONT PWB
BASE
⚠ 60
FRONT LED
PWB
TOP

EXPLODED VIEW PARTS LIST - 4

⚠	Ref.No.	Part No.	Part Name	Description	Local
⚠	80	LC32364-001A-0K	FRONT FILTER		
	81	LC40226-003A-H	SPACER	(x6)	
	82	LC41913-001A-C	SPEAKER ASS'Y		
	83	LC41913-002A-C	SPEAKER ASS'Y		
	84	LC32634-004A	REMOCON WINDOW		PD-42V475/S
	84	LC32634-003A	REMOCON WINDOW		PD-42V485/S
	85	GQ40049-001A-A	ENERGY STICKER		
	86	LC32308-002C	MOUNTING SPACER		
	87	LC32308-003C	MOUNTING SPACER		
	88	LC32308-004B	MOUNTING SPACER		
	89	LC32308-001B	MOUNTING SPACER		
⚠	200	LC11958-004A-0K	FRONT PANEL ASS'Y	Inc.201,202,203,204	PD-42V475/S
⚠	200	LC11958-003A-0K	FRONT PANEL ASS'Y	Inc.201,202,203,204	PD-42V485/S
	201	PEME0904	DAMPER UNIT	(x2)	
	202	PU60005	PUSH OPEN UNIT		
	203	LC32636-004A	CONTROL SHEET		PD-42V475/S
	203	LC32636-003A	CONTROL SHEET		PD-42V485/S
	204	LC21672-001A	DOOR ASS'Y		PD-42V475/S
	204	LC21672-003A	DOOR ASS'Y		PD-42V485/S

EXPLODED VIEW - 4



87
86
f
SIDE FRAME
BOTTOM FRAME
88
TOP FRAME
FILTER BRACKET
89
SIDE FRAME
83
81
201
f
81
80
200
TOP
82
81
81
203
204
202
84
85

PRINTED WIRING BOARD PARTS LIST [PD-42V475/S]

RECEIVER P.W. BOARD ASS'Y (SFP0F502A-M2)

⚠Ref No.	Part No.	Part Name	Description	Local
IC3101	CXA2205Q-X	IC		
IC3102	RC4558D-X	IC		
IC3104	CD4066BNS-X	IC		
IC3105	RC4558D-X	IC		
IC3106	TPS852-W	PHOTO CONDUCTOR		
Q3001	2SA1530A/QR/-X	TRANSISTOR		
Q3002	2SC3928A/QR/-X	TRANSISTOR		
Q3109	UN2212-X	DIGI TRANSISTOR		
Q3110	UN2212-X	DIGI TRANSISTOR		
Q3151	2SA1530A/QR/-X	TRANSISTOR		
Q3152	2SA1530A/QR/-X	TRANSISTOR		
C3001	NEH71CM-476X	E CAPACITOR	47uF 16V M	
C3002	NEH71HM-106X	E CAPACITOR	10uF 50V M	
C3003	NEH71AM-107X	E CAPACITOR	100uF 10V M	
C3004	NEH71AM-107X	E CAPACITOR	100uF 10V M	
C3101	NEH71CM-476X	E CAPACITOR	47uF 16V M	
C3102	NEH71CM-476X	E CAPACITOR	47uF 16V M	
C3104	NEN51CM-475X	BP E CAPACITOR	4.7uF 16V M	
C3105	NEN51CM-475X	BP E CAPACITOR	4.7uF 16V M	
C3106	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3107	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3108	NEH71CM-106X	E CAPACITOR	10uF 16V M	
C3109	NCB31HK-223X	C CAPACITOR	0.022uF 50V K	
C3110	NCB31HK-472X	C CAPACITOR	4700pF 50V K	
C3111	NEN51EM-106X	BP E CAPACITOR	10uF 25V M	
C3112	NCB31EK-104X	C CAPACITOR	0.1uF 25V K	
C3113	NCB31HK-472X	C CAPACITOR	4700pF 50V K	
C3114	NEN51EM-106X	BP E CAPACITOR	10uF 25V M	
C3115	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3116	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3117	NCB11AK-475X	C CAPACITOR	4.7uF 10V K	
C3118	NCB11AK-475X	C CAPACITOR	4.7uF 10V K	
C3119	NCB21CK-105X	C CAPACITOR	1uF 16V K	
C3120	NEH71CM-106X	E CAPACITOR	10uF 16V M	
C3121	NEN51CM-475X	BP E CAPACITOR	4.7uF 16V M	
C3122	NEH71HM-335X	E CAPACITOR	3.3uF 50V M	
C3123	NCB31HK-473X	C CAPACITOR	0.047uF 50V K	
C3124	NCB31HK-272X	C CAPACITOR	2700pF 50V K	
C3125	NCB31EK-104X	C CAPACITOR	0.1uF 25V K	
C3126	NEN51CM-475X	BP E CAPACITOR	4.7uF 16V M	
C3127	NCB31HK-562X	C CAPACITOR	5600pF 50V K	
C3128	NCB31HK-123X	C CAPACITOR	0.012uF 50V K	
C3129	NEN51CM-475X	BP E CAPACITOR	4.7uF 16V M	
C3130	NEH71EM-475X	E CAPACITOR	4.7uF 25V M	
C3131	NEN51CM-475X	BP E CAPACITOR	4.7uF 16V M	
C3132	NEH71CM-476X	E CAPACITOR	47uF 16V M	
C3133	NEH71EM-475X	E CAPACITOR	4.7uF 25V M	
C3134	NEH71CM-106X	E CAPACITOR	10uF 16V M	
C3135	NEH71EM-475X	E CAPACITOR	4.7uF 25V M	
C3136	NCB21CK-105X	C CAPACITOR	1uF 16V K	
C3144	NEH71CM-476X	E CAPACITOR	47uF 16V M	
C3145	NEH71CM-476X	E CAPACITOR	47uF 16V M	
C3146	NEN51CM-475X	BP E CAPACITOR	4.7uF 16V M	
C3147	NEN51CM-475X	BP E CAPACITOR	4.7uF 16V M	
C3150	NEH71CM-476X	E CAPACITOR	47uF 16V M	
C3157	NCB11AK-106X	C CAPACITOR	10uF 10V K	
C3158	NCB11AK-106X	C CAPACITOR	10uF 10V K	
C3159	NCB11AK-106X	C CAPACITOR	10uF 10V K	
C3161	NCB11AK-106X	C CAPACITOR	10uF 10V K	
C3162	NCB11AK-106X	C CAPACITOR	10uF 10V K	
C3163	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C3165	NCF11CZ-475X	C CAPACITOR	4.7uF 16V Z	
R3001	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R3003	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R3004	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R3005	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R3006	NRSA63J-273X	MG RESISTOR	27kΩ 1/16W J	
R3007	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R3101	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3106	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3111	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R3112	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R3113	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J	
R3114	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J	
R3115	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R3116	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R3117	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R3118	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R3119	NRSA63J-225X	MG RESISTOR	2.2MΩ 1/16W J	
R3120	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3121	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3122	NRSA63J-392X	MG RESISTOR	3.9kΩ 1/16W J	
R3123	NRSA63J-302X	MG RESISTOR	3kΩ 1/16W J	
R3124	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R3125	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
R3126	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R3127	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R3128	NRSA63J-105X	MG RESISTOR	1MΩ 1/16W J	
R3129	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R3130	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R3131	NRSA63J-683X	MG RESISTOR	68kΩ 1/16W J	
R3132	NRSA63J-123X	MG RESISTOR	12kΩ 1/16W J	
R3133	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	
R3150	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R3152	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R3153	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R3156	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R3158	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R3159	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	
R3160	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R3161	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R3162	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J	
R3163	NRSA63J-123X	MG RESISTOR	12kΩ 1/16W J	
R3164	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R3165	NRSA63J-123X	MG RESISTOR	12kΩ 1/16W J	
R3166	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R3176	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J	
R3191	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
TU3001	QAU0364-001	TUNER		

ANALOG SIGNAL P.W. BOARD ASS'Y (SFP0A503A-M2)

⚠Ref No.	Part No.	Part Name	Description	Local
IC201	TA1370FG-X	IC		
IC202	SN74AHC1G08V-X	IC		
IC301	AN15852A	IC	80pin	
IC501	CXA2069Q	IC		
IC711	CXA1875AM-X	IC		
IC801	TB1274AF	IC		
IC802	TC90A69AF-X	IC		
IC803	BA05FP-X	IC		
IC902	TA48M033F-X	IC		
Q307	2SA1530A/QR/-X	TRANSISTOR		
Q402	2SK1374-X	MOS FET		
Q403	2SK1374-X	MOS FET		
Q404	2SK1374-X	MOS FET		
Q405	2SK1374-X	MOS FET		
Q801	2SA1530A/QR/-X	TRANSISTOR		
Q802	2SA1530A/QR/-X	TRANSISTOR		
Q810	2SA1530A/QR/-X	TRANSISTOR		
Q851	2SA1530A/QR/-X	TRANSISTOR		
Q853	2SC3928A/QR/-X	TRANSISTOR		
Q854	2SC3928A/QR/-X	TRANSISTOR		
Q855	2SA1530A/QR/-X	TRANSISTOR		
Q858	2SC3928A/QR/-X	TRANSISTOR		
Q859	2SA1530A/QR/-X	TRANSISTOR		
Q862	2SC3928A/QR/-X	TRANSISTOR		
Q863	2SC3928A/QR/-X	TRANSISTOR		
Q901	2SC3074/OY/-X	TRANSISTOR		
QB613	2SC3928A/QR/-X	TRANSISTOR		
QB614	2SA1530A/QR/-X	TRANSISTOR		
D501	MA8100/M/-X	Z DIODE		
D903	PTZ11B-X	Z DIODE		
D904	PTZ6.8B-X	Z DIODE		
DB201	MA8033-X	Z DIODE		
DB601	MA111-X	SI DIODE		
DB602	MA111-X	SI DIODE		
DB603	MA111-X	SI DIODE		
DB605	MA111-X	SI DIODE		
DB606	MA111-X	SI DIODE		
C201	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C202	NEH71HM-225X	E CAPACITOR	2.2uF 50V M	
C203	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C204	NEZ0022-157X	E CAPACITOR	150uF 10V M	
C205	NEH71HM-105X	E CAPACITOR	1uF 50V M	
C206	NCB11CK-105X	C CAPACITOR	1uF 16V K	
C207	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	

⚠Ref No.	Part No.	Part Name	Description	Local
C301	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C302	NEH71CM-476X	E CAPACITOR	47uF 16V M	
C306	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C307	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C308	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C319	NEH71CM-476X	E CAPACITOR	47uF 16V M	
C320	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C321	NEH71CM-106X	E CAPACITOR	10uF 16V M	
C322	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C323	NEH71CM-476X	E CAPACITOR	47uF 16V M	
C324	NCB11CK-105X	C CAPACITOR	1uF 16V K	
C325	NCB11CK-105X	C CAPACITOR	1uF 16V K	
C326	NCB11CK-105X	C CAPACITOR	1uF 16V K	
C327	NCB11CK-105X	C CAPACITOR	1uF 16V K	
C328	NCB11CK-105X	C CAPACITOR	1uF 16V K	
C329	NCB11CK-105X	C CAPACITOR	1uF 16V K	
C330	NCB11CK-105X	C CAPACITOR	1uF 16V K	
C339	NCB11CK-105X	C CAPACITOR	1uF 16V K	
C340	NCB11CK-105X	C CAPACITOR	1uF 16V K	
C341	NCB31HK-472X	C CAPACITOR	4700pF 50V K	
C342	NCB31HK-472X	C CAPACITOR	4700pF 50V K	
C343	NCB11CK-105X	C CAPACITOR	1uF 16V K	
C346	NCB11CK-105X	C CAPACITOR	1uF 16V K	
C349	NEN51EM-106X	BP E CAPACITOR	10uF 25V M	
C355	NCB11CK-105X	C CAPACITOR	1uF 16V K	
C356	NCB11CK-105X	C CAPACITOR	1uF 16V K	
C357	NCB11CK-105X	C CAPACITOR	1uF 16V K	
C501	NEH71CM-476X	E CAPACITOR	47uF 16V M	
C502	NEH71CM-476X	E CAPACITOR	47uF 16V M	
C503	NEN51EM-106X	BP E CAPACITOR	10uF 25V M	
C505	NEN51EM-106X	BP E CAPACITOR	10uF 25V M	
C506	NDC31HJ-270X	C CAPACITOR	27pF 50V J	
C601	NEN51HM-474X	BP E CAPACITOR	0.47uF 50V M	
C602	NEN51HM-474X	BP E CAPACITOR	0.47uF 50V M	
C711	NEH71CM-106X	E CAPACITOR	10uF 16V M	
C712	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C801	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C802	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C803	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C804	NEH71CM-476X	E CAPACITOR	47uF 16V M	
C805	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C806	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C807	NEH71CM-476X	E CAPACITOR	47uF 16V M	
C808	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C809	NCF11CZ-475X	C CAPACITOR	4.7uF 16V Z	
C813	NEH71CM-476X	E CAPACITOR	47uF 16V M	
C814	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C818	NEH71HM-106X	E CAPACITOR	10uF 50V M	
C819	NDC31HJ-8R0X	C CAPACITOR	8pF 50V J	
C820	NCB31AK-474X	C CAPACITOR	0.47uF 10V K	
C821	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C822	NCB11CK-225X	C CAPACITOR	2.2uF 16V K	
C823	NCB31HK-153X	C CAPACITOR	0.015uF 50V K	
C824	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C825	NDC31HJ-180X	C CAPACITOR	18pF 50V J	
C826	NEH71EM-226X	E CAPACITOR	22uF 25V M	
C827	NEH70JM-107X	E CAPACITOR	100uF 6.3V M	
C828	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C835	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C850	NDC31HJ-180X	C CAPACITOR	18pF 50V J	
C851	NDC31HJ-560X	C CAPACITOR	56pF 50V J	
C852	NDC31HJ-560X	C CAPACITOR	56pF 50V J	
C853	NEH71CM-476X	E CAPACITOR	47uF 16V M	
C854	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C855	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C856	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C857	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C858	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C859	NCB31AK-474X	C CAPACITOR	0.47uF 10V K	
C860	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C861	NDC31HJ-681X	C CAPACITOR	680pF 50V J	
C862	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C863	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C864	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C865	NDC31HJ-560X	C CAPACITOR	56pF 50V J	
C866	NDC31HJ-560X	C CAPACITOR	56pF 50V J	
C868	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C869	NDC31HJ-560X	C CAPACITOR	56pF 50V J	
C870	NDC31HJ-560X	C CAPACITOR	56pF 50V J	
C872	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C873	NDC31HJ-330X	C CAPACITOR	33pF 50V J	
C874	NDC31HJ-150X	C CAPACITOR	15pF 50V J	
C875	NDC31HJ-100X	C CAPACITOR	10pF 50V J	
C876	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C877	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C878	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C879	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C880	NEH71AM-107X	E CAPACITOR	100uF 10V M	
C881	NEH71AM-107X	E CAPACITOR	100uF 10V M	
C882	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C883	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C884	NEH71AM-107X	E CAPACITOR	100uF 10V M	
C885	NEH71AM-107X	E CAPACITOR	100uF 10V M	
C886	NEH71HM-106X	E CAPACITOR	10uF 50V M	
C887	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C888	NEH71AM-107X	E CAPACITOR	100uF 10V M	
C889	NEH71HM-106X	E CAPACITOR	10uF 50V M	
C890	NEH71HM-106X	E CAPACITOR	10uF 50V M	
C891	NEH71CM-476X	E CAPACITOR	47uF 16V M	
C892	NDC31HJ-180X	C CAPACITOR	18pF 50V J	
C894	NDC31HJ-180X	C CAPACITOR	18pF 50V J	
C895	NDC31HJ-680X	C CAPACITOR	68pF 50V J	
C904	NCB11AK-106X	C CAPACITOR	10uF 10V K	
C905	NEH91CM-476X	E CAPACITOR	47uF 16V M	
C911	NEX51CM-335X	E CAPACITOR	3.3uF 16V M	
C912	NEH71CM-476X	E CAPACITOR	47uF 16V M	
C913	NEX51CM-335X	E CAPACITOR	3.3uF 16V M	
C916	NEX50JM-156X	E CAPACITOR	15uF 6.3V M	
CB613	NEH71CM-106X	E CAPACITOR	10uF 16V M	
CB614	NEH71CM-476X	E CAPACITOR	47uF 16V M	
R201	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R202	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R203	NRSA63J-822X	MG RESISTOR	8.2kΩ 1/16W J	
R204	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J	
R207	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R208	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R211	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R212	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R213	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R214	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R216	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R218	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R219	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R220	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R302	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R303	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R304	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R305	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R306	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R316	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R317	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R318	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R321	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R322	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R323	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R326	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R327	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R328	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R334	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R335	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R336	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J	
R372	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R373	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R375	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R382	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R383	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R385	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R392	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R393	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R395	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R402	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
R403	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
R404	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
R405	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
R501	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R502	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	
R503	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R504	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	
R505	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R506	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R507	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R513	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R514	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	
R516	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R517	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	
R518	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R519	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R520	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R521	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	
R522	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R523	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	
R524	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R526	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	

⚠Ref No.	Part No.	Part Name	Description	Local
R527	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	
R528	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R529	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	
R530	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R531	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R534	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R538	NRSA63J-183X	MG RESISTOR	18kΩ 1/16W J	
R539	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R540	NRSA63J-183X	MG RESISTOR	18kΩ 1/16W J	
R541	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R582	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R583	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R584	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R712	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R715	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R716	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R719	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R720	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R801	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R802	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R803	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
R804	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R805	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R806	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
R807	NRSA63J-752X	MG RESISTOR	7.5kΩ 1/16W J	
R808	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R809	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R816	NRSA63J-273X	MG RESISTOR	27kΩ 1/16W J	
R817	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R818	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
R819	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R839	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R840	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R851	NRSA63J-391X	MG RESISTOR	390Ω 1/16W J	
R852	NRSA63J-391X	MG RESISTOR	390Ω 1/16W J	
R853	NRSA63J-183X	MG RESISTOR	18kΩ 1/16W J	
R854	NRSA63J-822X	MG RESISTOR	8.2kΩ 1/16W J	
R855	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	
R856	NRSA63J-105X	MG RESISTOR	1MΩ 1/16W J	
R859	NRSA63J-821X	MG RESISTOR	820Ω 1/16W J	
R860	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R861	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R862	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J	
R863	NRSA63J-821X	MG RESISTOR	820Ω 1/16W J	
R864	NRSA63J-391X	MG RESISTOR	390Ω 1/16W J	
R865	NRSA63J-391X	MG RESISTOR	390Ω 1/16W J	
R866	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R867	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R869	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J	
R873	NRSA63J-821X	MG RESISTOR	820Ω 1/16W J	
R874	NRSA63J-391X	MG RESISTOR	390Ω 1/16W J	
R876	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R877	NRSA63J-821X	MG RESISTOR	820Ω 1/16W J	
R879	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J	
R883	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R884	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J	
R885	NRSA63J-123X	MG RESISTOR	12kΩ 1/16W J	
R886	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J	
R887	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R888	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R889	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R893	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	
R907	NRS12BJ-331W	MG RESISTOR	330Ω 1/2W J	
R917	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
RB203	NRSA63J-271X	MG RESISTOR	270Ω 1/16W J	
RB303	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
RB304	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
RB305	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
RB401	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
RB402	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
RB502	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
RB503	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
RB504	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
RB506	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
RB512	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
RB516	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
RB601	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
RB602	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
RB617	NRSA63J-563X	MG RESISTOR	56kΩ 1/16W J	
RB618	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
RB619	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
RB620	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J	
RB621	NRSA63J-563X	MG RESISTOR	56kΩ 1/16W J	
RB623	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
RB624	NRSA63J-563X	MG RESISTOR	56kΩ 1/16W J	
RB801	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
L201	NQL034K-101X	CHIP P COIL	100uH K	
L807	NQR0413-003X	FERRITE BEADS		
L808	NQR0413-003X	FERRITE BEADS		
L809	NQR0413-003X	FERRITE BEADS		
L851	NQL092K-6R8X	COIL	6.8uH K	
L852	NQL092K-6R8X	COIL	6.8uH K	
L853	NQL092K-6R8X	COIL	6.8uH K	
L854	NQL092M-270X	CHIP P COIL	27uH M	
L855	NQL024J-560X	CHIP P COIL	56uH J	
L861	NQL914K-220X	COIL	22uH K	
L862	NQL914K-101X	COIL	100uH K	
L863	NQL914K-101X	COIL	100uH K	
L864	NQL914K-101X	COIL	100uH K	
L865	NQL914K-220X	COIL	22uH K	
L866	NQL914K-220X	COIL	22uH K	
L867	NQL914K-220X	COIL	22uH K	
L901	NQL52EM-220X	COIL	22uH M	
L902	NQL52EM-220X	COIL	22uH M	
L904	NQL52EM-220X	COIL	22uH M	
X201	CSB503F30-T2	C RESONATOR		
X801	NAX0621-001X	CRYSTAL	16.200MHz	

AV JACK P.W. BOARD ASS'Y (SFP0J502A-M2)

⚠Ref No.	Part No.	Part Name	Description	Local
Q2203	DTC323TK-X	DIGI TRANSISTOR		
Q2204	DTC323TK-X	DIGI TRANSISTOR		
Q2205	2SA1037AK/QR/-X	TRANSISTOR		
D2053	MA8100/M/-X	Z DIODE		
D2054	MA8100/M/-X	Z DIODE		
D2201	MA8100/M/-X	Z DIODE		
D2202	MA8100/M/-X	Z DIODE		
D2203	MA8100/M/-X	Z DIODE		
D2205	MA8100/M/-X	Z DIODE		
D2206	MA8100/M/-X	Z DIODE		
D2207	MA8100/M/-X	Z DIODE		
D2208	MTZJ10C-T2	Z DIODE		
D2209	MTZJ10C-T2	Z DIODE		
C2001	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C2003	NRS181J-0R0X	MG RESISTOR	0Ω 1/8W J	
C2005	NCB11CK-225X	C CAPACITOR	2.2uF 16V K	
C2006	NCB11CK-225X	C CAPACITOR	2.2uF 16V K	
C2007	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C2009	NRS181J-0R0X	MG RESISTOR	0Ω 1/8W J	
C2011	NCB11CK-225X	C CAPACITOR	2.2uF 16V K	
C2012	NCB11CK-225X	C CAPACITOR	2.2uF 16V K	
C2014	NCB11CK-225X	C CAPACITOR	2.2uF 16V K	
C2015	NCB11CK-225X	C CAPACITOR	2.2uF 16V K	
C2016	NCB11AK-106X	C CAPACITOR	10uF 10V K	
C2017	NCB11AK-106X	C CAPACITOR	10uF 10V K	
C2018	NCB11AK-106X	C CAPACITOR	10uF 10V K	
C2019	NCB11AK-106X	C CAPACITOR	10uF 10V K	
C2020	NCB11AK-106X	C CAPACITOR	10uF 10V K	
C2201	NCB11CK-105X	C CAPACITOR	1uF 16V K	
C2202	NCB11CK-105X	C CAPACITOR	1uF 16V K	
C2203	NCB11CK-105X	C CAPACITOR	1uF 16V K	
C2204	NCB11CK-105X	C CAPACITOR	1uF 16V K	
C2205	NCB11CK-105X	C CAPACITOR	1uF 16V K	
C2206	NCB11CK-105X	C CAPACITOR	1uF 16V K	
C2207	NCB11CK-225X	C CAPACITOR	2.2uF 16V K	
C2209	NCB11CK-225X	C CAPACITOR	2.2uF 16V K	
C2210	NCB11CK-225X	C CAPACITOR	2.2uF 16V K	
C2213	NCB11CK-225X	C CAPACITOR	2.2uF 16V K	
C2214	NCB11CK-225X	C CAPACITOR	2.2uF 16V K	
R2001	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R2002	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R2003	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R2004	NRSA63J-224X	MG RESISTOR	220kΩ 1/16W J	
R2005	NRSA63J-224X	MG RESISTOR	220kΩ 1/16W J	
R2006	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R2007	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R2008	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R2009	NRSA63J-224X	MG RESISTOR	220kΩ 1/16W J	
R2010	NRSA63J-224X	MG RESISTOR	220kΩ 1/16W J	
R2011	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R2012	NRSA63J-224X	MG RESISTOR	220kΩ 1/16W J	
R2013	NRSA63J-224X	MG RESISTOR	220kΩ 1/16W J	
R2015	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R2056	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	

⚠Ref No.	Part No.	Part Name	Description	Local
R2057	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R2202	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R2203	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R2204	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R2205	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R2207	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R2208	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R2209	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R2210	NRSA63J-224X	MG RESISTOR	220kΩ 1/16W J	
R2216	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R2217	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R2218	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R2219	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R2220	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R2221	NRSA63J-391X	MG RESISTOR	390Ω 1/16W J	
R2222	NRSA63J-391X	MG RESISTOR	390Ω 1/16W J	
J2001	QNZ0700-001	AV JACK	INPUT-1,3	
J2003	QNN0646-001	PIN JACK	INPUT-2 COMP	
J2004	QNN0642-001	PIN JACK	INPUT-2,CENTER CH,AUDIO IN	
J2005	QNN0646-001	PIN JACK	INPUT-1 COMP	
J2007	QNN0647-001	PIN JACK	AUDIO OUT	

DIGITAL SIGNAL P.W. BOARD ASS'Y (SFP0D503A-M2)

⚠Ref No.	Part No.	Part Name	Description	Local
IC0401	SN74AHCT1G32V-X	IC		
IC1001	TC90A92AFG	IC	100pin	
IC1502	NJM2235V-X	IC		
IC3001	JCC5055	IC	438pin	
IC3004	TC7MB3257FK-X	IC		
IC3005	SN74LVC1G08V-X	IC		
IC3006	SN74LVC2G126T-X	IC		
IC3403	S-80928CLNB-W	IC		
IC3501	MT46V2M32V1LG55	IC	100pin	
IC3502	MT46V2M32V1LG55	IC	100pin	
IC3503	LP2996MR-X	IC		
IC4001	JCC5057	IC	208pin	
IC4003	AT29LV01042V485	IC	(SERVICE)	
IC4004	AT24C25642V485D	IC	(SERVICE)	
IC4005	SN74LVC1G08V-X	IC		
IC6502	THC63LVDM83R-W	IC		
IC7001	MN102H60KPB	IC(MCU)	or MN102HF60KPB 100pin	
IC7002	AT24C256-42V485	IC	(SERVICE)	
IC7401	S-80828CLNB-W	IC		
IC7601	M306V7MG-091FP	IC(MCU)	or M306V7FG-091FP 100pin	
IC7602	AT24C32-42V485	IC	(SERVICE)	
IC7603	SN74LVC1G04V-X	IC		
IC7607	MM1510XN-X	IC		
IC7608	MM1510XN-X	IC		
IC9001	MP1580HS-X	IC		
IC9101	MP1580HS-X	IC		
IC9201	MP1580HS-X	IC		
Q0101	2SC3837K/NP/-X	TRANSISTOR		
Q0102	2SA1022/BC/-X	TRANSISTOR		
Q0104	2SA1022/BC/-X	TRANSISTOR		
Q0107	2SA1530A/QR/-X	TRANSISTOR		
Q0108	2SC3928A/QR/-X	TRANSISTOR		
Q0109	HN1C01F/Y/-X	PAIR TRANSISTOR		
Q0110	HN1C01F/Y/-X	PAIR TRANSISTOR		
Q0201	2SC3837K/NP/-X	TRANSISTOR		
Q0202	2SA1022/BC/-X	TRANSISTOR		
Q0203	2SC3928A/QR/-X	TRANSISTOR		
Q0204	2SA1022/BC/-X	TRANSISTOR		
Q0207	2SA1530A/QR/-X	TRANSISTOR		
Q0208	2SC3928A/QR/-X	TRANSISTOR		
Q0209	HN1C01F/Y/-X	PAIR TRANSISTOR		
Q0210	HN1C01F/Y/-X	PAIR TRANSISTOR		
Q0301	2SC3837K/NP/-X	TRANSISTOR		
Q0302	2SA1022/BC/-X	TRANSISTOR		
Q0303	2SC3928A/QR/-X	TRANSISTOR		
Q0304	2SA1022/BC/-X	TRANSISTOR		
Q0307	2SA1530A/QR/-X	TRANSISTOR		
Q0308	2SC3928A/QR/-X	TRANSISTOR		
Q0309	HN1C01F/Y/-X	PAIR TRANSISTOR		
Q0310	HN1C01F/Y/-X	PAIR TRANSISTOR		
Q1001	UN2213-X	DIGI TRANSISTOR		
Q1003	2SC3928A/QR/-X	TRANSISTOR		
Q1004	2SA1530A/QR/-X	TRANSISTOR		
Q1101	2SC3928A/QR/-X	TRANSISTOR		
Q1103	2SA1530A/QR/-X	TRANSISTOR		
Q1201	2SC3928A/QR/-X	TRANSISTOR		
Q1203	2SA1530A/QR/-X	TRANSISTOR		
Q1301	2SC3928A/QR/-X	TRANSISTOR		
Q1303	2SA1530A/QR/-X	TRANSISTOR		
Q1401	2SC3928A/QR/-X	TRANSISTOR		
Q1403	2SA1530A/QR/-X	TRANSISTOR		
Q3001	2SC3928A/QR/-X	TRANSISTOR		
Q3002	2SA1530A/QR/-X	TRANSISTOR		
Q3003	2SC3928A/QR/-X	TRANSISTOR		
Q3004	2SA1530A/QR/-X	TRANSISTOR		
Q7206	UN2213-X	DIGI TRANSISTOR		
Q7207	DTA144EKA-X	DIGI TRANSISTOR		
D1001	EC30HA03L-X	SB DIODE		
D1002	EC30HA03L-X	SB DIODE		
D7001	MA111-X	SI DIODE		
D7002	MA8051/M/-X	Z DIODE		
D7003	MA111-X	SI DIODE		
D7005	MA8082/M/-X	Z DIODE		
D7006	MA8082/M/-X	Z DIODE		
D7007	MA8082/M/-X	Z DIODE		
D7008	MA8082/M/-X	Z DIODE		
D7009	MA8082/M/-X	Z DIODE		
D7203	MA111-X	SI DIODE		
D7204	MA111-X	SI DIODE		
D7210	RB501V-40-X	SB DIODE		
D9001	EC30HA03L-X	SB DIODE		
D9003	PTZ3.9B-X	Z DIODE		
D9101	EC30HA03L-X	SB DIODE		
D9102	EC30HA03L-X	SB DIODE		
D9103	PTZ3.9B-X	Z DIODE		
D9104	MA111-X	SI DIODE		
D9201	EC30HA03L-X	SB DIODE		
D9203	PTZ3.9B-X	Z DIODE		
D9204	MA111-X	SI DIODE		
C0103	NDC31HJ-330X	C CAPACITOR	33pF 50V J	
C0105	NDC31HJ-270X	C CAPACITOR	27pF 50V J	
C0107	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C0109	NCB11AK-106X	C CAPACITOR	10uF 10V K	
C0110	NCB11AK-106X	C CAPACITOR	10uF 10V K	
C0111	NDC31HJ-820X	C CAPACITOR	82pF 50V J	
C0112	NDC31HJ-820X	C CAPACITOR	82pF 50V J	
C0113	NCB11AK-106X	C CAPACITOR	10uF 10V K	
C0114	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C0115	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C0116	NCB11AK-106X	C CAPACITOR	10uF 10V K	
C0117	NDC31HJ-560X	C CAPACITOR	56pF 50V J	
C0203	NDC31HJ-330X	C CAPACITOR	33pF 50V J	
C0205	NDC31HJ-270X	C CAPACITOR	27pF 50V J	
C0207	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C0209	NCB11AK-106X	C CAPACITOR	10uF 10V K	
C0210	NCB11AK-106X	C CAPACITOR	10uF 10V K	
C0211	NDC31HJ-820X	C CAPACITOR	82pF 50V J	
C0212	NDC31HJ-820X	C CAPACITOR	82pF 50V J	
C0213	NCB11AK-106X	C CAPACITOR	10uF 10V K	
C0214	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C0215	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C0217	NDC31HJ-560X	C CAPACITOR	56pF 50V J	
C0303	NDC31HJ-330X	C CAPACITOR	33pF 50V J	
C0305	NDC31HJ-270X	C CAPACITOR	27pF 50V J	
C0307	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C0309	NCB11AK-106X	C CAPACITOR	10uF 10V K	
C0310	NCB11AK-106X	C CAPACITOR	10uF 10V K	
C0311	NDC31HJ-820X	C CAPACITOR	82pF 50V J	
C0312	NDC31HJ-820X	C CAPACITOR	82pF 50V J	
C0313	NCB11AK-106X	C CAPACITOR	10uF 10V K	
C0314	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C0315	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C0317	NDC31HJ-560X	C CAPACITOR	56pF 50V J	
C0401	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C0519	NDC31HJ-560X	C CAPACITOR	56pF 50V J	
C1001	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1003	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1004	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1005	NCB31HK-152X	C CAPACITOR	1500pF 50V K	
C1006	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1008	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1009	NDC31HJ-220X	C CAPACITOR	22pF 50V J	
C1010	NDC31HJ-180X	C CAPACITOR	18pF 50V J	
C1011	NDC31HJ-102X	C CAPACITOR	1000pF 50V J	
C1012	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1013	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1014	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1015	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1016	NCB11AK-106X	C CAPACITOR	10uF 10V K	
C1017	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1018	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	

⚠Ref No.	Part No.	Part Name	Description	Local
C1019	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1021	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1023	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1025	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1026	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1028	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1029	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1030	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1031	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1032	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1033	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1034	NDC31HJ-151X	C CAPACITOR	150pF 50V J	
C1035	NDC31HJ-680X	C CAPACITOR	68pF 50V J	
C1037	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C1038	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1039	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1040	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1041	NCB10JK-106X	C CAPACITOR	10uF 6.3V K	
C1042	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C1043	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1045	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C1046	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1047	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1048	NCB11CK-105X	C CAPACITOR	1uF 16V K	
C1049	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1050	NCB11CK-105X	C CAPACITOR	1uF 16V K	
C1051	NCB11CK-105X	C CAPACITOR	1uF 16V K	
C1061	NDC31HJ-4R0X	C CAPACITOR	4pF 50V J	
C1102	NDC31HJ-330X	C CAPACITOR	33pF 50V J	
C1103	NDC31HJ-330X	C CAPACITOR	33pF 50V J	
C1104	NDC31HJ-560X	C CAPACITOR	56pF 50V J	
C1105	NCF11CZ-475X	C CAPACITOR	4.7uF 16V Z	
C1106	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C1109	NDC31HJ-151X	C CAPACITOR	150pF 50V J	
C1202	NDC31HJ-330X	C CAPACITOR	33pF 50V J	
C1203	NDC31HJ-330X	C CAPACITOR	33pF 50V J	
C1204	NDC31HJ-560X	C CAPACITOR	56pF 50V J	
C1205	NCF11CZ-475X	C CAPACITOR	4.7uF 16V Z	
C1206	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C1209	NDC31HJ-151X	C CAPACITOR	150pF 50V J	
C1302	NDC31HJ-330X	C CAPACITOR	33pF 50V J	
C1303	NDC31HJ-330X	C CAPACITOR	33pF 50V J	
C1304	NDC31HJ-560X	C CAPACITOR	56pF 50V J	
C1305	NCF11CZ-475X	C CAPACITOR	4.7uF 16V Z	
C1306	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C1309	NDC31HJ-151X	C CAPACITOR	150pF 50V J	
C1402	NDC31HJ-330X	C CAPACITOR	33pF 50V J	
C1403	NDC31HJ-330X	C CAPACITOR	33pF 50V J	
C1404	NDC31HJ-560X	C CAPACITOR	56pF 50V J	
C1405	NCF11CZ-475X	C CAPACITOR	4.7uF 16V Z	
C1406	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C1409	NDC31HJ-151X	C CAPACITOR	150pF 50V J	
C1502	NEN51EM-106X	BP E CAPACITOR	10uF 25V M	
C1508	NCF11CZ-475X	C CAPACITOR	4.7uF 16V Z	
C1509	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1511	NRSA63J-105X	MG RESISTOR	1MΩ 1/16W J	
C3004	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3006	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3008	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3010	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3016	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3018	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3019	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3021	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3022	NBZ0007-107X	SP E CAPACITOR	100uF 4V M	
C3023	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3028	NDC31HJ-221X	C CAPACITOR	220pF 50V J	
C3030	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3031	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3032	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3037	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3040	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C3041	NDC31HJ-101X	C CAPACITOR	100pF 50V J	
C3042	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3043	NDC31HJ-101X	C CAPACITOR	100pF 50V J	
C3044	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3045	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3047	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3049	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3051	NCB31HK-472X	C CAPACITOR	4700pF 50V K	
C3052	NCB31AK-334X	C CAPACITOR	0.33uF 10V K	
C3056	NCB31AK-334X	C CAPACITOR	0.33uF 10V K	
C3059	NCB31HK-223X	C CAPACITOR	0.022uF 50V K	
C3060	NCB31HK-152X	C CAPACITOR	1500pF 50V K	
C3063	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3065	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3066	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3067	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3068	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3069	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3070	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3071	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3072	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3074	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3076	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3097	NCB30JK-225X	C CAPACITOR	2.2uF 6.3V K	
C3101	NCB30JK-225X	C CAPACITOR	2.2uF 6.3V K	
C3105	NCB30JK-225X	C CAPACITOR	2.2uF 6.3V K	
C3107	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C3109	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C3111	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3406	NCB31HK-102X	C CAPACITOR	1000pF 50V K	
C3501	NCF31CZ-474X	C CAPACITOR	0.47uF 16V Z	
C3503	NCF31CZ-474X	C CAPACITOR	0.47uF 16V Z	
C3506	NCB30JK-225X	C CAPACITOR	2.2uF 6.3V K	
C3507	NCF31CZ-474X	C CAPACITOR	0.47uF 16V Z	
C3508	NCF31CZ-474X	C CAPACITOR	0.47uF 16V Z	
C3509	NCB30JK-225X	C CAPACITOR	2.2uF 6.3V K	
C3511	NCF31CZ-474X	C CAPACITOR	0.47uF 16V Z	
C3515	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3516	NCF31CZ-474X	C CAPACITOR	0.47uF 16V Z	
C3517	NCF31CZ-474X	C CAPACITOR	0.47uF 16V Z	
C3518	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3519	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3524	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3527	NCF31CZ-474X	C CAPACITOR	0.47uF 16V Z	
C3530	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3531	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3532	NCB30JK-225X	C CAPACITOR	2.2uF 6.3V K	
C3533	NCB30JK-225X	C CAPACITOR	2.2uF 6.3V K	
C3535	NCF31CZ-474X	C CAPACITOR	0.47uF 16V Z	
C3539	NCF31CZ-474X	C CAPACITOR	0.47uF 16V Z	
C3540	NCF31CZ-474X	C CAPACITOR	0.47uF 16V Z	
C3542	NCF31CZ-474X	C CAPACITOR	0.47uF 16V Z	
C3543	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3548	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3549	NBZ0007-107X	SP E CAPACITOR	100uF 4V M	
C3550	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3551	NBZ0007-107X	SP E CAPACITOR	100uF 4V M	
C3552	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C4002	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C4003	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C4005	NCB31AK-105X	C CAPACITOR	1uF 10V K	
C4006	NCB31AK-105X	C CAPACITOR	1uF 10V K	
C4008	NCF11CZ-475X	C CAPACITOR	4.7uF 16V Z	
C4009	NCB31AK-105X	C CAPACITOR	1uF 10V K	
C4010	NCB31AK-105X	C CAPACITOR	1uF 10V K	
C4011	NCF11CZ-475X	C CAPACITOR	4.7uF 16V Z	
C4012	NCB31AK-105X	C CAPACITOR	1uF 10V K	
C4013	NCB31AK-105X	C CAPACITOR	1uF 10V K	
C4016	NCB31AK-105X	C CAPACITOR	1uF 10V K	
C4020	NCB31AK-105X	C CAPACITOR	1uF 10V K	
C4022	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C4023	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C4029	NDC31HJ-470X	C CAPACITOR	47pF 50V J	
C4030	NDC31HJ-470X	C CAPACITOR	47pF 50V J	
C6013	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6014	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6015	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6512	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6513	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6514	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6515	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6516	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6523	NCB11AK-106X	C CAPACITOR	10uF 10V K	
C7001	NCB31AK-105X	C CAPACITOR	1uF 10V K	
C7002	NCB31AK-105X	C CAPACITOR	1uF 10V K	
C7003	NCF11CZ-475X	C CAPACITOR	4.7uF 16V Z	
C7006	NDC31HJ-150X	C CAPACITOR	15pF 50V J	
C7007	NCB31AK-105X	C CAPACITOR	1uF 10V K	
C7010	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C7011	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C7012	NCB31CK-153X	C CAPACITOR	0.015uF 16V K	
C7017	NDC31HJ-391X	C CAPACITOR	390pF 50V J	
C7018	NCB31AK-105X	C CAPACITOR	1uF 10V K	
C7025	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C7203	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C7401	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C7402	NCB31AK-105X	C CAPACITOR	1uF 10V K	
C7601	NDC31HJ-102X	C CAPACITOR	1000pF 50V J	
C7602	NDC31HJ-221X	C CAPACITOR	220pF 50V J	
C7603	NCB21AK-225X	C CAPACITOR	2.2uF 10V K	
C7607	NCB31HK-102X	C CAPACITOR	1000pF 50V K	
C7608	NCB31HK-221X	C CAPACITOR	220pF 50V K	

⚠Ref No.	Part No.	Part Name	Description	Local
C7609	NCB21AK-225X	C CAPACITOR	2.2uF 10V K	
C7610	NCB31HK-681X	C CAPACITOR	680pF 50V K	
C7611	NCB31HK-681X	C CAPACITOR	680pF 50V K	
C7612	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
C7613	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
C7614	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C7615	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C7616	NCB11CK-105X	C CAPACITOR	1uF 16V K	
C7617	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C7618	NCB11AK-106X	C CAPACITOR	10uF 10V K	
C7619	NCF11CZ-475X	C CAPACITOR	4.7uF 16V Z	
C7621	NCB11AK-106X	C CAPACITOR	10uF 10V K	
C7622	NCF11CZ-475X	C CAPACITOR	4.7uF 16V Z	
C9002	NCJ41EK-106X-U	C CAPACITOR	10mF 25V K	
C9004	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C9005	NCJ41CK-226X-U	C CAPACITOR	22mF 16V K	
C9007	NCB31HK-222X	C CAPACITOR	2200pF 50V K	
C9102	NCJ41EK-106X-U	C CAPACITOR	10mF 25V K	
C9104	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C9105	NCJ41CK-226X-U	C CAPACITOR	22mF 16V K	
C9106	NDC31HJ-121X	C CAPACITOR	120pF 50V J	
C9107	NCB31HK-222X	C CAPACITOR	2200pF 50V K	
C9108	NCJ41CK-226X-U	C CAPACITOR	22mF 16V K	
C9111	NCB31HK-822X	C CAPACITOR	8200pF 50V K	
C9112	NCB31HK-222X	C CAPACITOR	2200pF 50V K	
C9202	NCJ41EK-106X-U	C CAPACITOR	10mF 25V K	
C9204	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C9205	NCJ41CK-226X-U	C CAPACITOR	22mF 16V K	
C9207	NCB31HK-222X	C CAPACITOR	2200pF 50V K	
C9209	NEZ0022-157X	E CAPACITOR	150uF 10V M	
C9211	NCB31HK-153X	C CAPACITOR	0.015uF 50V K	
R0105	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R0106	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R0107	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R0109	NRSA63J-151X	MG RESISTOR	150Ω 1/16W J	
R0110	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R0116	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R0119	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R0121	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R0122	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R0125	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R0126	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R0127	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R0128	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R0129	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R0131	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R0132	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R0133	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R0134	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R0137	NRSA63J-151X	MG RESISTOR	150Ω 1/16W J	
R0138	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R0140	NRSA63J-182X	MG RESISTOR	1.8kΩ 1/16W J	
R0141	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R0205	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R0206	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R0207	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R0208	NRSA63J-681X	MG RESISTOR	680Ω 1/16W J	
R0209	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R0210	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R0211	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R0216	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R0219	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R0221	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R0222	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R0225	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R0226	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R0227	NRSA63J-181X	MG RESISTOR	180Ω 1/16W J	
R0228	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R0229	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R0231	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R0232	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R0233	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R0234	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R0237	NRSA63J-271X	MG RESISTOR	270Ω 1/16W J	
R0238	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R0240	NRSA63J-182X	MG RESISTOR	1.8kΩ 1/16W J	
R0241	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R0305	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R0306	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R0307	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R0308	NRSA63J-681X	MG RESISTOR	680Ω 1/16W J	
R0309	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R0310	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R0311	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R0316	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R0319	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	

⚠Ref No.	Part No.	Part Name	Description	Local
R0321	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R0322	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R0325	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R0326	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R0327	NRSA63J-181X	MG RESISTOR	180Ω 1/16W J	
R0328	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R0329	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R0331	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R0332	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R0333	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R0334	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R0337	NRSA63J-271X	MG RESISTOR	270Ω 1/16W J	
R0338	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R0340	NRSA63J-182X	MG RESISTOR	1.8kΩ 1/16W J	
R0341	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R0501	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R0502	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R0504	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R0506	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R0507	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R0508	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R0516	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R0517	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R0518	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R0519	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R0520	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R0522	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R0523	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R0524	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R0525	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R0526	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R0527	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R1001	NRSA63J-274X	MG RESISTOR	270kΩ 1/16W J	
R1002	NRSA63D-101X	MG RESISTOR	100Ω 1/16W D	
R1003	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R1004	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R1005	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R1006	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R1007	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R1010	NRSA63J-561X	MG RESISTOR	560Ω 1/16W J	
R1011	NRSA63J-183X	MG RESISTOR	18kΩ 1/16W J	
R1012	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J	
R1013	NRSA63J-122X	MG RESISTOR	1.2kΩ 1/16W J	
R1014	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R1017	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R1018	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
R1019	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R1101	NRSA63J-182X	MG RESISTOR	1.8kΩ 1/16W J	
R1102	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R1104	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
R1105	NRSA63J-561X	MG RESISTOR	560Ω 1/16W J	
R1106	NRSA63J-122X	MG RESISTOR	1.2kΩ 1/16W J	
R1107	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J	
R1113	NRSA63J-330X	MG RESISTOR	33Ω 1/16W J	
R1201	NRSA63J-182X	MG RESISTOR	1.8kΩ 1/16W J	
R1203	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R1204	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
R1205	NRSA63J-561X	MG RESISTOR	560Ω 1/16W J	
R1206	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R1207	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J	
R1213	NRSA63J-330X	MG RESISTOR	33Ω 1/16W J	
R1301	NRSA63J-182X	MG RESISTOR	1.8kΩ 1/16W J	
R1303	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R1304	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
R1305	NRSA63J-561X	MG RESISTOR	560Ω 1/16W J	
R1306	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R1307	NRSA63J-561X	MG RESISTOR	560Ω 1/16W J	
R1313	NRSA63J-330X	MG RESISTOR	33Ω 1/16W J	
R1401	NRSA63J-182X	MG RESISTOR	1.8kΩ 1/16W J	
R1403	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R1404	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
R1405	NRSA63J-561X	MG RESISTOR	560Ω 1/16W J	
R1406	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R1407	NRSA63J-561X	MG RESISTOR	560Ω 1/16W J	
R1413	NRSA63J-330X	MG RESISTOR	33Ω 1/16W J	
R1523	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
R1524	NRSA63J-474X	MG RESISTOR	470kΩ 1/16W J	
R1525	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R1584	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3001	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R3004	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R3006	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3007	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3008	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3009	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3018	NRSA02J-3R3X	MG RESISTOR	3.3Ω 1/10W J	
R3019	NRSA02J-3R3X	MG RESISTOR	3.3Ω 1/10W J	

⚠Ref No.	Part No.	Part Name	Description	Local
R3020	NRSA02J-3R3X	MG RESISTOR	3.3Ω 1/10W J	
R3021	NRSA63D-102X	MG RESISTOR	1kΩ 1/16W D	
R3022	NRSA63D-332X	MG RESISTOR	3.3kΩ 1/16W D	
R3023	NRSA63D-332X	MG RESISTOR	3.3kΩ 1/16W D	
R3024	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R3028	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R3029	NRSA63D-392X	MG RESISTOR	3.9kΩ 1/16W D	
R3030	NRSA63D-102X	MG RESISTOR	1kΩ 1/16W D	
R3031	NRSA63D-151X	MG RESISTOR	150Ω 1/16W D	
R3032	NRSA63J-5R6X	MG RESISTOR	5.6Ω 1/16W J	
R3033	NRSA63J-5R6X	MG RESISTOR	5.6Ω 1/16W J	
R3034	NRSA63J-5R6X	MG RESISTOR	5.6Ω 1/16W J	
R3036	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R3037	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J	
R3038	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R3040	NRSA63J-201X	MG RESISTOR	200Ω 1/16W J	
R3041	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R3042	NRSA63J-201X	MG RESISTOR	200Ω 1/16W J	
R3043	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J	
R3044	NRSA63J-821X	MG RESISTOR	820Ω 1/16W J	
R3045	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J	
R3047	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J	
R3048	NRSA63J-821X	MG RESISTOR	820Ω 1/16W J	
R3053	NRSA63J-272X	MG RESISTOR	2.7kΩ 1/16W J	
R3054	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3056	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3063	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R3064	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R3065	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R3066	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R3069	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3070	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3071	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3072	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3089	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J	
R3090	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J	
R3091	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J	
R3092	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J	
R3093	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J	
R3094	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J	
R3095	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J	
R3096	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J	
R3097	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J	
R3098	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J	
R3099	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J	
R3100	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J	
R3101	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J	
R3102	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J	
R3103	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J	
R3104	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J	
R3105	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J	
R3106	NRS144J-0R0X	MG RESISTOR	0Ω 1/4W J	
R3114	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3116	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3118	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3120	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J	
R3122	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J	
R3126	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3207	NRS144J-0R0X	MG RESISTOR	0Ω 1/4W J	
R3502	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J	
R3503	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J	
R3505	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J	
R3507	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J	
R3509	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J	
R3511	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J	
R3514	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J	
R3516	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J	
R3518	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J	
R3520	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J	
R3522	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J	
R3524	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J	
R3525	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J	
R3527	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J	
R3529	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J	
R3531	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J	
R3533	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J	
R3536	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J	
R3538	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J	
R3540	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J	
R3542	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J	
R3544	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J	
R4004	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R4005	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R4006	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R4007	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R4008	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R4015	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R4016	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R4018	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R4019	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R4023	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R4024	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R4027	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R4028	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R4035	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R4037	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R4039	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R4041	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R4042	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R4044	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R4046	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R4052	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R4056	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R4057	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R4058	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R4059	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R4060	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J	
R4064	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R4065	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R4101	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R4102	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R4103	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R4104	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R4105	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R4106	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R6025	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R6028	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R6031	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R6034	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R6036	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R6038	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R6039	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R6040	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6043	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6048	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R6057	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6058	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6059	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6510	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R6512	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R6513	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6514	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R6515	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R6516	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R6521	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6527	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R6538	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6540	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6541	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7001	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R7002	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R7004	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R7005	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R7006	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R7010	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R7011	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R7014	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R7015	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7016	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7017	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7018	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7021	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R7022	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R7023	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7024	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7025	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R7026	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R7029	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R7031	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7033	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R7034	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7035	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7037	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7038	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7039	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R7040	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R7041	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7042	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R7043	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R7046	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R7047	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R7048	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R7049	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7053	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	

⚠Ref No.	Part No.	Part Name	Description	Local
R7055	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7057	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R7058	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R7059	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	
R7060	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R7061	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	
R7064	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7065	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R7066	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R7067	NRSA63J-151X	MG RESISTOR	150Ω 1/16W J	
R7068	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R7069	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7070	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7071	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7072	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7073	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7074	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7075	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7077	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7080	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7081	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7082	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7085	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R7086	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R7087	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R7088	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R7089	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R7090	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R7091	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	
R7092	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	
R7093	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R7094	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R7095	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R7096	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R7097	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R7098	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R7099	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R7100	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7101	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	
R7106	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7107	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R7108	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R7109	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R7110	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R7111	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R7112	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R7115	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R7117	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R7118	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R7119	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R7120	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R7122	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7123	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R7124	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R7132	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R7133	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7134	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R7135	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R7136	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7137	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7140	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R7143	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7144	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7145	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7146	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7148	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R7149	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R7150	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R7153	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R7159	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7160	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7214	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R7215	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R7216	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7401	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R7601	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R7602	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R7603	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R7604	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7605	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7606	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7607	NCB31AK-224X	C CAPACITOR	0.22uF 10V K	
R7608	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R7609	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R7610	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7611	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7612	NCB31AK-224X	C CAPACITOR	0.22uF 10V K	
R7613	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R7614	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R7615	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7656	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7657	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7658	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R7659	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	
R7660	NRSA63J-105X	MG RESISTOR	1MΩ 1/16W J	
R7661	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R7664	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R7666	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7680	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7681	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7685	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R7686	NRSA63J-105X	MG RESISTOR	1MΩ 1/16W J	
R7688	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7689	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7690	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7691	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	
R9001	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R9002	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
R9003	NRSA63D-203X	MG RESISTOR	20kΩ 1/16W D	
R9004	NRSA63D-124X	MG RESISTOR	120kΩ 1/16W D	
R9005	NRSA63D-103X	MG RESISTOR	10kΩ 1/16W D	
R9006	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R9007	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
R9101	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R9102	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
R9103	NRSA63D-203X	MG RESISTOR	20kΩ 1/16W D	
R9104	NRSA63D-223X	MG RESISTOR	22kΩ 1/16W D	
R9105	NRSA63D-103X	MG RESISTOR	10kΩ 1/16W D	
R9106	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R9107	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
R9108	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
R9201	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R9202	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
R9204	NRSA63D-272X	MG RESISTOR	2.7kΩ 1/16W D	
R9205	NRSA63D-103X	MG RESISTOR	10kΩ 1/16W D	
R9206	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R9207	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
R9208	NRSA63J-105X	MG RESISTOR	1MΩ 1/16W J	
RA1001	NRZ0034-103W	NET RESISTOR	10kΩ 1/32W J	
RA1002	NRZ0034-103W	NET RESISTOR	10kΩ 1/32W J	
RA1003	NRZ0034-103W	NET RESISTOR	10kΩ 1/32W J	
RA3002	NRZ0034-103W	NET RESISTOR	10kΩ 1/32W J	
RA3004	NRZ0034-103W	NET RESISTOR	10kΩ 1/32W J	
RA3013	NRZ0034-220W	NET RESISTOR	22Ω 1/32W J	
RA3014	NRZ0034-220W	NET RESISTOR	22Ω 1/32W J	
RA3015	NRZ0034-220W	NET RESISTOR	22Ω 1/32W J	
RA3016	NRZ0034-220W	NET RESISTOR	22Ω 1/32W J	
RA3018	NRZ0080-510X	NET RESISTOR	51Ω 1/16W J	
RA3020	NRZ0080-510X	NET RESISTOR	51Ω 1/16W J	
RA3022	NRZ0080-510X	NET RESISTOR	51Ω 1/16W J	
RA3023	NRZ0040-510X	NET RESISTOR	51Ω 1/16W J x4	
RA3024	NRZ0040-510X	NET RESISTOR	51Ω 1/16W J x4	
RA3025	NRZ0040-510X	NET RESISTOR	51Ω 1/16W J x4	
RA3026	NRZ0040-510X	NET RESISTOR	51Ω 1/16W J x4	
RA3028	NRZ0080-510X	NET RESISTOR	51Ω 1/16W J	
RA3030	NRZ0080-510X	NET RESISTOR	51Ω 1/16W J	
RA3032	NRZ0080-510X	NET RESISTOR	51Ω 1/16W J	
RA3502	NRZ0080-510X	NET RESISTOR	51Ω 1/16W J	
RA3506	NRZ0040-510X	NET RESISTOR	51Ω 1/16W J x4	
RA3508	NRZ0080-510X	NET RESISTOR	51Ω 1/16W J	
RA3512	NRZ0080-510X	NET RESISTOR	51Ω 1/16W J	
RA3516	NRZ0040-510X	NET RESISTOR	51Ω 1/16W J x4	
RA3518	NRZ0040-510X	NET RESISTOR	51Ω 1/16W J x4	
RA3521	NRZ0080-510X	NET RESISTOR	51Ω 1/16W J	
RA3523	NRZ0040-510X	NET RESISTOR	51Ω 1/16W J x4	
RA3526	NRZ0080-510X	NET RESISTOR	51Ω 1/16W J	
RA3530	NRZ0040-510X	NET RESISTOR	51Ω 1/16W J x4	
RA3531	NRZ0080-510X	NET RESISTOR	51Ω 1/16W J	
RA3536	NRZ0080-510X	NET RESISTOR	51Ω 1/16W J	
RA3540	NRZ0040-510X	NET RESISTOR	51Ω 1/16W J x4	
RA3542	NRZ0040-510X	NET RESISTOR	51Ω 1/16W J x4	
RA3545	NRZ0080-510X	NET RESISTOR	51Ω 1/16W J	
RA3547	NRZ0040-510X	NET RESISTOR	51Ω 1/16W J x4	
RA4007	NRZ0034-0R0W	NET RESISTOR	0Ω 1/32W J	
RA4008	NRZ0034-0R0W	NET RESISTOR	0Ω 1/32W J	
RA4009	NRZ0034-0R0W	NET RESISTOR	0Ω 1/32W J	
RA4010	NRZ0034-0R0W	NET RESISTOR	0Ω 1/32W J	
RA4011	NRZ0034-0R0W	NET RESISTOR	0Ω 1/32W J	
RA4012	NRZ0034-0R0W	NET RESISTOR	0Ω 1/32W J	
RA6513	NRZ0034-0R0W	NET RESISTOR	0Ω 1/32W J	
RA6514	NRZ0034-0R0W	NET RESISTOR	0Ω 1/32W J	
RA6516	NRZ0034-0R0W	NET RESISTOR	0Ω 1/32W J	
RA7601	NRZ0034-0R0W	NET RESISTOR	0Ω 1/32W J	
RA7602	NRZ0034-0R0W	NET RESISTOR	0Ω 1/32W J	

⚠Ref No.	Part No.	Part Name	Description	Local
RA7603	NRZ0034-0R0W	NET RESISTOR	0Ω 1/32W J	
RA7604	NRZ0034-0R0W	NET RESISTOR	0Ω 1/32W J	
RA7605	NRZ0034-0R0W	NET RESISTOR	0Ω 1/32W J	
RB7605	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
RB7614	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
RB7615	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
L0101	NQL092K-2R2X	COIL	2.2uH K	
L0201	NQL092K-2R2X	COIL	2.2uH K	
L0301	NQL092K-2R2X	COIL	2.2uH K	
L0401	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
L1001	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
L1002	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
L1003	NQL092K-1R5X	CHIP P COIL	1.5uH K	
L1004	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
L1005	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
L1006	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
L1008	NQL79GM-220X	COIL	22uH M	
L1010	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
L1011	NQL79GM-470X	COIL	47uH M	
L1101	NQL092K-6R8X	COIL	6.8uH K	
L1102	NQR0489-002X	FERRITE BEADS		
L1103	NQL092K-1R0X	COIL	1uH K	
L1201	NQL092K-6R8X	COIL	6.8uH K	
L1203	NQL092K-1R0X	COIL	1uH K	
L1301	NQL092K-6R8X	COIL	6.8uH K	
L1303	NQL092K-1R0X	COIL	1uH K	
L1401	NQL092K-6R8X	COIL	6.8uH K	
L1403	NQL092K-1R0X	COIL	1uH K	
L1501	NQL092K-4R7X	COIL	4.7uH K	
L3001	NQR0489-002X	FERRITE BEADS		
L3005	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
L3006	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
L3007	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
L3008	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
L3009	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
L3010	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
L3011	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
L3012	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
L3501	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
L4001	NQR0413-003X	FERRITE BEADS		
L4002	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
L4003	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
L6501	NQR0351-001X	FERRITE BEADS		
L6508	NRZ0034-0R0W	NET RESISTOR	0Ω 1/32W J	
L6509	NRZ0034-0R0W	NET RESISTOR	0Ω 1/32W J	
L6510	NRZ0034-0R0W	NET RESISTOR	0Ω 1/32W J	
L7001	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
L7002	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
L7003	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
L7004	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
L7005	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
L7006	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
L9001	NQL71EM-150X	COIL	15uH M	
L9101	NQL71EM-150X	COIL	15uH M	
L9201	NQL71EM-150X	COIL	15uH M	
J7001	QNS0001-001	3.5 JACK	AV COMPULINK	
K1001	NQR0489-002X	FERRITE BEADS		
K1002	NQR0489-002X	FERRITE BEADS		
K1003	NQR0489-002X	FERRITE BEADS		
K1004	NQR0489-002X	FERRITE BEADS		
K2104	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
K2107	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
K3003	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
K3006	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
K3009	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
K6001	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
K6002	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
K6003	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
K6004	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
K6005	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
K6006	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
K6007	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
K6008	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
K6009	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
K6010	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
K6011	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
K6012	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
K6013	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
K6014	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
K6015	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
K6016	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
K6017	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
K6018	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
K6019	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
K6020	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
K6021	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
K7002	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
LC0102	NQR0483-005X	EMI FILTER	100uF 25V Z	
LC0519	NQR0416-001X	EMI FILTER	240pF 16V M	
SL7001	NAX0613-001X	C RESONATOR		
X1001	NAX0642-001X	CRYSTAL		
X3001	NAX0635-001X	CXO		
X3002	NAX0667-001X	CXO		
X4001	NAX0669-001X	C RESONATOR		
X7601	NAX0613-001X	C RESONATOR		

INTERFACE P.W. BOARD ASS'Y (SFP-7505A-M2)

⚠Ref No.	Part No.	Part Name	Description	Local
IC103	BA05FP-X	IC		
IC801	BA033FP-X	IC		
IC802	BA033FP-X	IC		
IC805	AT24C16-42V485	IC	(SERVICE)	
IC807	HD6433685A80H	IC(MCU)	or HD64F3687A80H	
IC809	S-80840CLNB-W	IC		
Q101	2SC3928A/QR/-X	TRANSISTOR		
Q803	2SA1530A/QR/-X	TRANSISTOR		
Q805	2SK2090-X	MOS FET		
Q806	2SK2090-X	MOS FET		
Q807	2SA1530A/QR/-X	TRANSISTOR		
Q813	2SK2090-X	MOS FET		
Q814	2SK2090-X	MOS FET		
Q815	2SC3928A/QR/-X	TRANSISTOR		
D803	MA111-X	SI DIODE		
D804	MA8056/M/-X	Z DIODE		
D903	MA111-X	SI DIODE		
C114	NEH71AM-107X	E CAPACITOR	100uF 10V M	
C117	NEH70JM-107X	E CAPACITOR	100uF 6.3V M	
C802	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C803	NEH70JM-226X	E CAPACITOR	22uF 6.3V M	
C804	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C809	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C810	NEH70JM-107X	E CAPACITOR	100uF 6.3V M	
C814	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C815	NEH70JM-226X	E CAPACITOR	22uF 6.3V M	
C816	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C818	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C819	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C820	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C821	NEH71CM-106X	E CAPACITOR	10uF 16V M	
C823	NDC31HJ-102X	C CAPACITOR	1000pF 50V J	
C825	NDC31HJ-220X	C CAPACITOR	22pF 50V J	
C826	NDC31HJ-220X	C CAPACITOR	22pF 50V J	
C828	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C829	NEH70JM-226X	E CAPACITOR	22uF 6.3V M	
C832	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
R104	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
R105	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R106	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R402	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R801	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R802	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R803	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R804	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R806	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R807	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R808	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R809	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R810	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R811	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R812	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R813	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R814	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R815	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R816	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R817	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R821	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R823	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R825	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R826	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R837	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R838	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R839	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R844	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	

⚠Ref No.	Part No.	Part Name	Description	Local
R845	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R846	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R847	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R848	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R849	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R850	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R853	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	
R854	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R855	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R856	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R857	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R858	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R859	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R861	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R863	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R866	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R867	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R868	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R869	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R870	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R871	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R872	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R876	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R877	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R878	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R879	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R880	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R881	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R882	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R884	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R885	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	
R886	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R887	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R890	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	
R891	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	
R892	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R893	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	
R894	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R895	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R896	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R897	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R898	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R903	NRSA63J-182X	MG RESISTOR	1.8kΩ 1/16W J	
R904	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R906	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R908	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R910	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J	
R911	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R912	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R923	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R927	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R931	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R933	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R934	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R939	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R940	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R945	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R946	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R947	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R948	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R949	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R951	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R952	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R969	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R970	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R971	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R972	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R973	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R974	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R975	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R976	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R978	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J	
R979	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R980	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J	
R981	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
L801	NQR0351-001X	FERRITE BEADS		
L802	NQR0351-001X	FERRITE BEADS		
K801	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
K803	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
K804	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
K805	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
X802	NAX0613-001X	C RESONATOR		

AUDIO P.W. BOARD ASS'Y (SFP-6004A-M2)

⚠Ref No.	Part No.	Part Name	Description	Local
IC6521	NJW1137M-W	IC		
IC6551	RC4558D-X	IC		
IC6552	RC4558D-X	IC		
IC6621	LM393DR-X	IC		
IC6661	TDA8925ST/N1	IC		
IC6671	BA12FP-X	IC		
Q6521	2SC3928A/QR/-X	TRANSISTOR		
Q6522	2SC3928A/QR/-X	TRANSISTOR		
Q6523	2SA1530A/QR/-X	TRANSISTOR		
Q6531	2SC3928A/QR/-X	TRANSISTOR		
Q6532	2SC3928A/QR/-X	TRANSISTOR		
Q6533	2SC3928A/QR/-X	TRANSISTOR		
Q6534	2SA1530A/QR/-X	TRANSISTOR		
Q6538	2SC3928A/QR/-X	TRANSISTOR		
Q6539	2SC3928A/QR/-X	TRANSISTOR		
Q6661	UN2112-X	DIGI TRANSISTOR		
Q6662	2SC3928A/QR/-X	TRANSISTOR		
Q6663	UN2212-X	DIGI TRANSISTOR		
Q6672	2SC3928A/QR/-X	TRANSISTOR		
Q6673	2SA1530A/QR/-X	TRANSISTOR		
D6501	MA111-X	SI DIODE		
D6502	MA111-X	SI DIODE		
D6503	MA111-X	SI DIODE		
D6504	MA111-X	SI DIODE		
D6601	MA8062/M/-X	Z DIODE		
D6663	MA8033-X	Z DIODE		
D6671	MA8200-X	Z DIODE		
D6672	MA8200-X	Z DIODE		
D6673	MA8200-X	Z DIODE		
D6674	MA8200-X	Z DIODE		
D6681	MA111-X	SI DIODE		
D6682	MA111-X	SI DIODE		
D6683	MA111-X	SI DIODE		
C6503	NDC31HJ-101X	C CAPACITOR	100pF 50V J	
C6504	NDC31HJ-101X	C CAPACITOR	100pF 50V J	
C6505	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M	
C6508	NDC31HJ-101X	C CAPACITOR	100pF 50V J	
C6509	NDC31HJ-101X	C CAPACITOR	100pF 50V J	
C6510	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M	
C6511	QETN1EM-476Z	E CAPACITOR	47uF 25V M	
C6512	QETN1EM-476Z	E CAPACITOR	47uF 25V M	
C6513	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C6514	QETN1EM-476Z	E CAPACITOR	47uF 25V M	
C6515	QETN1CM-476Z	E CAPACITOR	47uF 16V M	
C6516	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C6517	NDC31HJ-100X	C CAPACITOR	10pF 50V J	
C6518	NDC31HJ-100X	C CAPACITOR	10pF 50V J	
C6521	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M	
C6522	NCB31HK-332X	C CAPACITOR	3300pF 50V K	
C6523	NCB31HK-333X	C CAPACITOR	0.033uF 50V K	
C6525	NCB31HK-472X	C CAPACITOR	4700pF 50V K	
C6526	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C6527	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M	
C6528	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M	
C6529	NCB31HK-332X	C CAPACITOR	3300pF 50V K	
C6530	NCB31HK-333X	C CAPACITOR	0.033uF 50V K	
C6532	NCB31HK-472X	C CAPACITOR	4700pF 50V K	
C6533	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C6534	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M	
C6535	QETN1HM-105Z	E CAPACITOR	1uF 50V M	
C6536	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C6537	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M	
C6538	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M	
C6539	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C6540	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M	
C6541	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M	
C6542	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M	
C6543	QETN1EM-476Z	E CAPACITOR	47uF 25V M	
C6544	QETN1HM-105Z	E CAPACITOR	1uF 50V M	
C6545	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C6546	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C6551	QETN1HM-105Z	E CAPACITOR	1uF 50V M	
C6552	QETN1HM-105Z	E CAPACITOR	1uF 50V M	
C6553	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C6554	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C6555	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C6556	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C6557	QETN1EM-476Z	E CAPACITOR	47uF 25V M	
C6559	QETN1CM-476Z	E CAPACITOR	47uF 16V M	
C6561	QETN1HM-105Z	E CAPACITOR	1uF 50V M	
C6562	QETN1HM-225Z	E CAPACITOR	2.2uF 50V M	
C6563	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	

⚠Ref No.	Part No.	Part Name	Description	Local
C6564	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C6567	NCB11EK-105X	C CAPACITOR	1uF 25V K	
C6568	NCB11EK-105X	C CAPACITOR	1uF 25V K	
C6585	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C6586	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C6601	NDC31HJ-101X	C CAPACITOR	100pF 50V J	
C6602	NDC31HJ-101X	C CAPACITOR	100pF 50V J	
C6605	QETN1CM-476Z	E CAPACITOR	47uF 16V M	
C6621	NCB31HK-332X	C CAPACITOR	3300pF 50V K	
C6622	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C6623	QETN1HM-226Z	E CAPACITOR	22uF 50V M	
C6624	NCB31HK-222X	C CAPACITOR	2200pF 50V K	
C6625	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6626	NCB31HK-222X	C CAPACITOR	2200pF 50V K	
C6627	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C6628	QETN1HM-226Z	E CAPACITOR	22uF 50V M	
C6629	NCB31HK-222X	C CAPACITOR	2200pF 50V K	
C6630	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6631	NCB31HK-222X	C CAPACITOR	2200pF 50V K	
C6632	NCB31HK-332X	C CAPACITOR	3300pF 50V K	
C6661	NCB11EK-105X	C CAPACITOR	1uF 25V K	
C6662	NCB11EK-105X	C CAPACITOR	1uF 25V K	
C6663	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C6664	QETN1HM-226Z	E CAPACITOR	22uF 50V M	
C6665	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C6666	QETN1HM-226Z	E CAPACITOR	22uF 50V M	
C6667	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C6668	NCB31HK-561X	C CAPACITOR	560pF 50V K	
C6669	QFVF1HJ-224Z	MF CAPACITOR	0.22uF 50V J	
C6670	QFVF1HJ-474Z	MF CAPACITOR	0.47uF 50V J	
C6671	NCB31HK-153X	C CAPACITOR	0.015uF 50V K	
C6672	QETN1EM-477Z	E CAPACITOR	470uF 25V M	
C6673	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C6674	QETN1EM-477Z	E CAPACITOR	470uF 25V M	
C6675	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C6676	NCB31HK-561X	C CAPACITOR	560pF 50V K	
C6677	NCB31HK-561X	C CAPACITOR	560pF 50V K	
C6678	QFVF1HJ-224Z	MF CAPACITOR	0.22uF 50V J	
C6679	QFVF1HJ-474Z	MF CAPACITOR	0.47uF 50V J	
C6680	NCB31HK-153X	C CAPACITOR	0.015uF 50V K	
C6681	NCB31HK-561X	C CAPACITOR	560pF 50V K	
C6682	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C6683	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C6684	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C6685	QETN1EM-477Z	E CAPACITOR	470uF 25V M	
C6686	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C6687	QETN1EM-477Z	E CAPACITOR	470uF 25V M	
C6692	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C6693	QETN1EM-476Z	E CAPACITOR	47uF 25V M	
R6502	NRSA63J-224X	MG RESISTOR	220kΩ 1/16W J	
R6503	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J	
R6504	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J	
R6505	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R6506	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R6508	NRSA63J-224X	MG RESISTOR	220kΩ 1/16W J	
R6509	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J	
R6510	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J	
R6511	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R6512	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R6513	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R6514	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R6515	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J	
R6516	NRSA63J-183X	MG RESISTOR	18kΩ 1/16W J	
R6517	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R6518	NRSA63J-183X	MG RESISTOR	18kΩ 1/16W J	
R6519	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J	
R6520	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R6521	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R6522	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R6523	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	
R6524	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R6525	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R6526	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	
R6527	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R6528	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R6529	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	
R6530	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R6531	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R6532	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	
R6533	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R6534	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R6535	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R6536	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R6537	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R6538	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R6539	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	

⚠Ref No.	Part No.	Part Name	Description	Local
R6540	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R6541	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R6542	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R6543	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R6551	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J	
R6552	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R6553	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R6554	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J	
R6555	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R6556	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R6557	NRSA63J-561X	MG RESISTOR	560Ω 1/16W J	
R6558	NRSA63J-224X	MG RESISTOR	220kΩ 1/16W J	
R6559	NRSA63J-561X	MG RESISTOR	560Ω 1/16W J	
R6560	NRSA63J-224X	MG RESISTOR	220kΩ 1/16W J	
R6563	NRSA63J-224X	MG RESISTOR	220kΩ 1/16W J	
R6564	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6567	NRSA63J-124X	MG RESISTOR	120kΩ 1/16W J	
R6568	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6569	NRSA63J-823X	MG RESISTOR	82kΩ 1/16W J	
R6577	NRSA63J-183X	MG RESISTOR	18kΩ 1/16W J	
R6578	NRSA63J-822X	MG RESISTOR	8.2kΩ 1/16W J	
R6579	NRSA63J-183X	MG RESISTOR	18kΩ 1/16W J	
R6580	NRSA63J-822X	MG RESISTOR	8.2kΩ 1/16W J	
R6592	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6593	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6594	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6595	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6596	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6601	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R6602	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	
R6603	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6605	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R6606	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	
R6607	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6617	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J	
R6621	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R6622	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R6623	NRSA63J-392X	MG RESISTOR	3.9kΩ 1/16W J	
R6624	QRJ146J-102X	UNF C RESISTOR	1kΩ 1/4W J	
R6625	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R6626	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J	
R6627	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R6628	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6629	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R6630	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J	
R6631	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R6632	NRSA63J-392X	MG RESISTOR	3.9kΩ 1/16W J	
R6633	NRSA63J-151X	MG RESISTOR	150Ω 1/16W J	
R6634	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R6635	QRN143J-0R0X	C RESISTOR	0Ω 1/4W J	
R6661	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R6662	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R6663	NRSA63J-393X	MG RESISTOR	39kΩ 1/16W J	
R6664	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6665	NRSA63J-393X	MG RESISTOR	39kΩ 1/16W J	
R6666	QRK126J-5R6X	UNF C RESISTOR	5.6Ω 1/2W J	
R6667	QRK126J-220X	UNF C RESISTOR	22Ω 1/2W J	
R6668	QRK126J-5R6X	UNF C RESISTOR	5.6Ω 1/2W J	
R6669	QRK126J-220X	UNF C RESISTOR	22Ω 1/2W J	
R6670	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J	
R6671	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R6673	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R6674	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R6675	NRSA63J-273X	MG RESISTOR	27kΩ 1/16W J	
R6676	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R6677	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R6680	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R6681	NRSA63J-563X	MG RESISTOR	56kΩ 1/16W J	
R6682	NRSA63J-563X	MG RESISTOR	56kΩ 1/16W J	
R6683	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R6684	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R6685	NRSA63J-563X	MG RESISTOR	56kΩ 1/16W J	
R6686	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J	
R6688	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6689	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6691	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	
L6661	QQL28AK-560	COIL	56uH K	
L6662	QQL28AK-560	COIL	56uH K	
K6601	QQR0621-002Z	FERRITE BEADS		
K6602	QQR0621-002Z	FERRITE BEADS		

FRONT CONTROL P.W. BOARD ASS'Y (SFP-8502A-M2)

⚠Ref No.	Part No.	Part Name	Description	Local
D1104	MA8100/M/-X	Z DIODE		
D1105	MA8100/M/-X	Z DIODE		
C1102	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1104	NCB11CK-225X	C CAPACITOR	2.2uF 16V K	
C1105	NCB11CK-225X	C CAPACITOR	2.2uF 16V K	
C1106	NRS181J-0R0X	MG RESISTOR	0Ω 1/8W J	
C1108	NCB11AK-106X	C CAPACITOR	10uF 10V K	
C1109	NCB11AK-106X	C CAPACITOR	10uF 10V K	
R1002	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R1101	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R1102	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R1103	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R1104	NRSA63J-224X	MG RESISTOR	220kΩ 1/16W J	
R1105	NRSA63J-224X	MG RESISTOR	220kΩ 1/16W J	
R1201	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R1404	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J	
R1405	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J	
R1421	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R1601	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J	
R1602	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J	
R1603	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J	
R1604	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J	
J1101	QNZ0438-001	AV JACK	INPUT-4	
J1401	QNZ0061-001	D CONNECTOR	PC INPUT	
LC1401	QQR1199-001	EMI FILTER		
LC1402	QQR1199-001	EMI FILTER		
LC1403	QQR1199-001	EMI FILTER		
S1201	QSW0619-003Z	TACT SWITCH	POWER	
S1601	QSW0619-003Z	TACT SWITCH	CH-	
S1602	QSW0619-003Z	TACT SWITCH	INPUT	
S1603	QSW0619-003Z	TACT SWITCH	CH+	
S1604	QSW0619-003Z	TACT SWITCH	VOL+	
S1605	QSW0619-003Z	TACT SWITCH	MENU	
S1606	QSW0619-003Z	TACT SWITCH	VOL-	

FRONT LED P.W. BOARD ASS'Y (SFP-8502A-M2)

⚠Ref No.	Part No.	Part Name	Description	Local
IC1742	GP1UA261XK	IR DETECT UNIT	38kHz	
Q1741	UN2212-X	DIGI TRANSISTOR		
Q1742	UN2212-X	DIGI TRANSISTOR		
Q1743	UN2110-X	DIGI TRANSISTOR		
Q1744	UN2110-X	DIGI TRANSISTOR		
Q1745	UN2110-X	DIGI TRANSISTOR		
D1744	LG22440	LED	POWER	
C1742	NEH71CM-476X	E CAPACITOR	47uF 16V M	
R1741	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R1742	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R1743	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J	
R1744	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J	
R1745	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R1748	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
	LC41859-001A	LED HOLDER		

TEMP. SENSOR P.W. BOARD ASS'Y (SFP-8502A-M2)

⚠Ref No.	Part No.	Part Name	Description	Local
IC8101	TCN75-5.0MOA-X	IC		
C8101	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
R8101	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R8102	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R8103	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	

REGULATOR P.W. BOARD ASS'Y (SFP-9203A-M2)

⚠Ref No.	Part No.	Part Name	Description	Local
IC9401	MP1580HS-X	IC		
IC9621	MP1410ES-X	IC		
IC9801	M62320FP-X	IC		
Q9211	2SB1188/QR/-W	TRANSISTOR		
Q9212	UN2213-X	DIGI TRANSISTOR		
Q9822	2SC3928A/QR/-X	TRANSISTOR		
D9401	EC30HA03L-X	SB DIODE		
D9403	PTZ11B-X	Z DIODE		
D9621	EC30HA03L-X	SB DIODE		
D9622	PTZ6.8B-X	Z DIODE		
D9822	MA8051/M/-X	Z DIODE		
D9823	MA111-X	SI DIODE		
C9402	NCJ41EK-106X-U	C CAPACITOR	10mF 25V K	
C9404	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C9405	NCJ41CK-226X-U	C CAPACITOR	22mF 16V K	
C9407	NCB31HK-222X	C CAPACITOR	2200pF 50V K	
C9408	NCJ41CK-226X-U	C CAPACITOR	22mF 16V K	
C9622	NCJ41EK-106X-U	C CAPACITOR	10mF 25V K	
C9624	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C9625	NCJ41CK-226X-U	C CAPACITOR	22mF 16V K	
C9627	NCB31HK-222X	C CAPACITOR	2200pF 50V K	
C9801	NCB11CK-105X	C CAPACITOR	1uF 16V K	
C9802	NDC21HJ-121X	C CAPACITOR	120pF 50V J	
C9803	NDC21HJ-121X	C CAPACITOR	120pF 50V J	
C9821	NCB11CK-105X	C CAPACITOR	1uF 16V K	
R9218	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R9219	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
R9220	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R9231	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
R9401	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
R9402	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R9403	NRSA63J-183X	MG RESISTOR	18kΩ 1/16W J	
R9404	NRSA63D-104X	MG RESISTOR	100kΩ 1/16W D	
R9405	NRSA63D-184X	MG RESISTOR	180kΩ 1/16W D	
R9406	NRSA63D-103X	MG RESISTOR	10kΩ 1/16W D	
R9407	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R9408	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
R9621	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
R9622	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R9623	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	
R9624	NRSA63D-473X	MG RESISTOR	47kΩ 1/16W D	
R9625	NRSA63D-913X	MG RESISTOR	91kΩ 1/16W D	
R9626	NRSA63D-103X	MG RESISTOR	10kΩ 1/16W D	
R9627	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R9628	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
R9629	NRSA02J-471X	MG RESISTOR	470Ω 1/10W J	
R9805	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R9806	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R9807	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R9809	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R9824	NRSA63J-563X	MG RESISTOR	56kΩ 1/16W J	
R9825	NRSA63J-822X	MG RESISTOR	8.2kΩ 1/16W J	
R9826	NRSA63J-122X	MG RESISTOR	1.2kΩ 1/16W J	
R9827	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
L9402	NQL71EM-150X	COIL	15uH M	
L9621	NQL71EM-150X	COIL	15uH M	

LINE FILTER P.W. BOARD ASS'Y (SFP-9510A-M2)

⚠Ref No.	Part No.	Part Name	Description	Local
⚠C9901	QFZ9073-225	MM CAPACITOR	2.2uF AC250V M	
⚠C9912	QCZ9079-681	C CAPACITOR	680pF AC250V K	
⚠C9913	QCZ9079-681	C CAPACITOR	680pF AC250V K	
C9916	QFZ9075-224	MPP CAPACITOR	0.22uF AC275V M	
⚠R9902	QRZ9046-105Z	C RESISTOR	1MΩ 1/2W K	
⚠F9901	QMFZ041-100-J1	FUSE	10A 250V	
J9901	QNC0103-001	AC INLET(NOISE)		
⚠LF9901	QQR1281-002	LINE FILTER		
⚠LF9902	QQR1281-002	LINE FILTER		
⚠VA9901	ERZV10V621CS	ZNR		
	LC32445-001B	AC INLET BKT		

MAIN POWER P.W. BOARD ASS'Y (SFP-9504A-M2)

⚠Ref No.	Part No.	Part Name	Description	Local
⚠IC9001	QAL0425-001	POWER MODULE		
IC9002	FA5502M-W	IC		
IC9201	STR-W6765-F5	IC		
IC9202	SI-8050S	IC		
IC9204	UTCTL431-T	IC		
IC9401	F9214L-F226	IC		
IC9403	UTCTL431-T	IC		
IC9601	STR-G6452-F3	IC		
IC9602	UTCTL431-T	IC		
IC9611	STR-G6452-F3	IC		
IC9612	UTCTL431-T	IC		
IC9621	STR-G6452-F3	IC		
IC9622	UTCTL431-T	IC		
IC9631	L7815CP	IC	or BA17815T	
IC9632	SI-8033S/F1	IC		
Q9002	2SC2411K/QR/-X	TRANSISTOR		
Q9003	2SC3928A/QR/-X	TRANSISTOR		
Q9004	2SK2196	POWER MOS FET		
Q9005	2SK2196	POWER MOS FET		
Q9006	2SC3074/OY/-X	TRANSISTOR		
Q9007	2SA1244/OY/-X	TRANSISTOR		
Q9008	2SC3928A/QR/-X	TRANSISTOR		
Q9201	2SD1266A/QP/	POW TRANSISTOR		
Q9207	2SC3928A/QR/-X	TRANSISTOR		
Q9213	2SA1530A/QR/-X	TRANSISTOR		
Q9214	2SC3928A/QR/-X	TRANSISTOR		
Q9215	2SC3928A/QR/-X	TRANSISTOR		
Q9401	2SK3264-01MR-F1	POWER MOS FET		
Q9402	2SC3928A/QR/-X	TRANSISTOR		
Q9405	2SC3928A/QR/-X	TRANSISTOR		
Q9408	2SC3928A/QR/-X	TRANSISTOR		
Q9409	2SC3928A/QR/-X	TRANSISTOR		
Q9411	UN2213-X	DIGI TRANSISTOR		
Q9412	UN2213-X	DIGI TRANSISTOR		
D9001	S1WB/A/60-4101	BRIDGE DIODE		
D9002	D25XB60	BRIDGE DIODE		
D9006	YG963S6R	SI DIODE		
D9007	MA111-X	SI DIODE		
D9008	MA111-X	SI DIODE		
D9009	S1WB/A/60-X	BRIDGE DIODE		
D9010	D1FS4-X	SB DIODE		
D9011	D1FS4-X	SB DIODE		
D9012	YG963S6R	SI DIODE		
D9013	MA8068/M/-X	Z DIODE		
D9014	MA8110/H/-X	Z DIODE		
D9015	MA8051/M/-X	Z DIODE		
D9201	MTZJ33B-T2	Z DIODE		
D9202	MA111-X	SI DIODE		
D9203	RGP10J-5025-T3	SI DIODE		
D9204	MA8120-X	Z DIODE		
D9205	D1FL20U-X	SI DIODE		
D9206	MA8240-X	Z DIODE		
D9207	RGP10J-5025-T3	SI DIODE		
D9208	SARS01-T2	SI DIODE		
D9209	SARS01-T2	SI DIODE		
D9210	RGP10J-5025-T3	SI DIODE		
D9211	FML-G12S	SI DIODE		
D9212	RU3AM-LFC4	SI DIODE		
D9213	FML-G14S	SI DIODE		
D9214	MA111-X	SI DIODE		
D9216	MA111-X	SI DIODE		
D9218	EC30HA03L-X	SB DIODE		
D9219	EC30HA03L-X	SB DIODE		
D9220	PTZ6.8B-X	Z DIODE		
D9223	MA8330/M/-X	Z DIODE		
D9229	MA8047-X	Z DIODE		
D9230	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
D9251	MA8091/L/-X	Z DIODE		
D9252	MA8024-X	Z DIODE		
D9401	SARS01-T2	SI DIODE		
D9402	EG01C-T2	SI DIODE		
D9403	EC30HA03L-X	SB DIODE		
D9404	FMG-G2CS	SI DIODE		
D9405	MA111-X	SI DIODE		
D9406	EG01C-T2	SI DIODE		
D9407	EG01C-T2	SI DIODE		
D9408	D1FL20U-X	SI DIODE		
D9409	FMG-G2CS	SI DIODE		
D9410	FMG-G2CS	SI DIODE		
D9413	MA8330/M/-X	Z DIODE		
D9414	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
D9415	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
D9416	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
D9420	PTZ3.9B-X	Z DIODE		
D9421	MA111-X	SI DIODE		
D9422	MA8082/M/-X	Z DIODE		
D9423	EG01C-T2	SI DIODE		
D9424	EG01C-T2	SI DIODE		
D9602	D1FL20U-X	SI DIODE		
D9603	D1FL20U-X	SI DIODE		
D9604	MA111-X	SI DIODE		
D9605	RGP10J-5025-T3	SI DIODE		
D9606	D1FL20U-X	SI DIODE		
D9607	MTZJ33B-T2	Z DIODE		
D9612	D1FL20U-X	SI DIODE		
D9613	D1FL20U-X	SI DIODE		
D9614	MA111-X	SI DIODE		
D9615	RGP10J-5025-T3	SI DIODE		
D9622	D1FL20U-X	SI DIODE		
D9623	D1FL20U-X	SI DIODE		
D9624	MA111-X	SI DIODE		
D9625	RGP10J-5025-T3	SI DIODE		
D9631	1N4002G-T2	SI DIODE		
D9632	EC30HA03L-X	SB DIODE		
D9633	EC30HA03L-X	SB DIODE		
D9634	PTZ3.9B-X	Z DIODE		
D9635	MA111-X	SI DIODE		
D9636	MA111-X	SI DIODE		
D9637	MTZJ27B-T2	Z DIODE		
⚠PC9001	PS2581AL1/QW/	PHOTO COUPLER		
⚠PC9201	PS2581AL1/QW/	PHOTO COUPLER		
⚠PC9202	PS2581AL1/QW/	PHOTO COUPLER		
⚠PC9203	PS2581AL1/QW/	PHOTO COUPLER		
⚠PC9401	PS2581AL1/QW/	PHOTO COUPLER		
⚠PC9402	PS2581AL1/QW/	PHOTO COUPLER		
⚠PC9601	PC817CD	PHOTO COUPLER		
⚠PC9611	PC817CD	PHOTO COUPLER		
⚠PC9621	PC817CD	PHOTO COUPLER		
⚠C9001	QCZ9079-102	C CAPACITOR	1000pF AC250V M	
C9003	QEHR1AM-337Z	E CAPACITOR	330uF 10V M	
C9004	QECR1CM-477Z	E CAPACITOR	470uF 16V M	
C9005	QEZ0709-106	E CAPACITOR	10uF	
⚠C9014	QFZ9072-105	MM CAPACITOR	1uF AC250V K	
⚠C9019	QFZ9072-474	MM CAPACITOR	0.47uF AC250V K	
C9020	QFZ0128-474	MPP CAPACITOR	0.47uF DC400V H	
C9021	QEZ0601-187	E CAPACITOR	180uF 450V M	
C9022	QEZ0601-187	E CAPACITOR	180uF 450V M	
C9023	QEHR1HM-105Z	E CAPACITOR	1uF 50V M	
C9024	NCB31HK-153X	C CAPACITOR	0.015uF 50V K	
C9025	NDC31HJ-471X	C CAPACITOR	470pF 50V J	
C9027	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C9028	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C9029	NCF31CZ-334X	C CAPACITOR	0.33uF 16V Z	
C9030	QEHR1VM-107Z	E CAPACITOR	100uF 35V M	
C9031	NCB31CK-154X	C CAPACITOR	0.15uF 16V K	
C9032	NDC31HJ-680X	C CAPACITOR	68pF 50V J	
C9033	NDC31HJ-471X	C CAPACITOR	470pF 50V J	
C9034	NCB31HK-152X	C CAPACITOR	1500pF 50V K	
C9201	QEHR1HM-105Z	E CAPACITOR	1uF 50V M	
C9202	NDC31HJ-471X	C CAPACITOR	470pF 50V J	
C9203	QCZ0340-471	C CAPACITOR	470pF 2kV K	
C9204	QEHR1VM-476Z	E CAPACITOR	47uF 35V M	
C9205	NCB31HK-102X	C CAPACITOR	1000pF 50V K	
C9207	QFP32JK-332	PP CAPACITOR	3300pF 630V K	
C9208	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C9210	QEHR1VM-476Z	E CAPACITOR	47uF 35V M	
C9213	QEHQ2AM-477	E CAPACITOR	470uF 100V M	
C9214	QEHQ2AM-477	E CAPACITOR	470uF 100V M	
C9215	QECQ1EM-228	E CAPACITOR	2200uF 25V M	
C9216	QEHR1VM-477Z	E CAPACITOR	470uF 35V M	
C9217	QFLC2AJ-104Z	M CAPACITOR	0.1uF 100V J	
C9220	NCB31HK-153X	C CAPACITOR	0.015uF 50V K	
C9221	QECR1EM-687Z	E CAPACITOR	680uF 25V M	
C9223	QEZ0256-128	E CAPACITOR	1200uF 10V M	
C9227	QEHR1HM-107Z	E CAPACITOR	100uF 50V M	
C9231	QEHR1HM-106Z	E CAPACITOR	10uF 50V M	
C9401	QCZ0340-152	C CAPACITOR	1500pF 2kV K	
C9402	QFZ0219-105	MPP CAPACITOR	1uF 400V J	
C9403	NDC31HJ-150X	C CAPACITOR	15pF 50V J	
C9404	NDC31HJ-181X	C CAPACITOR	180pF 50V J	
C9405	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C9406	QCZ0340-471	C CAPACITOR	470pF 2kV K	
C9408	NDC31HJ-100X	C CAPACITOR	10pF 50V J	
C9410	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C9411	NCB31HK-333X	C CAPACITOR	0.033uF 50V K	
C9412	QECR1EM-476Z	E CAPACITOR	47uF 25V M	
C9414	QEZ0599-108	E CAPACITOR	1000uF 200V M	
C9415	QEZ0599-108	E CAPACITOR	1000uF 200V M	

⚠Ref No.	Part No.	Part Name	Description	Local
C9416	QFP32GJ-393	PP CAPACITOR	0.039uF 400V J	
C9417	NCB31HK-821X	C CAPACITOR	820pF 50V K	
C9601	QCZ0340-471	C CAPACITOR	470pF 2kV K	
C9602	NCB31HK-152X	C CAPACITOR	1500pF 50V K	
C9603	QEHR1HM-226Z	E CAPACITOR	22uF 50V M	
C9604	NDC31HJ-561X	C CAPACITOR	560pF 50V J	
C9606	QEHR2AM-107Z	E CAPACITOR	100uF 100V M	
C9607	QEHR1HM-475Z	E CAPACITOR	4.7uF 50V M	
C9608	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C9611	QCZ0340-471	C CAPACITOR	470pF 2kV K	
C9612	NDC31HJ-471X	C CAPACITOR	470pF 50V J	
C9613	QEHR1HM-226Z	E CAPACITOR	22uF 50V M	
C9614	NCB31HK-102X	C CAPACITOR	1000pF 50V K	
C9615	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C9616	QEHR2DM-226Z	E CAPACITOR	22uF 200V M	
C9621	QCZ0340-471	C CAPACITOR	470pF 2kV K	
C9622	NDC31HJ-471X	C CAPACITOR	470pF 50V J	
C9623	QEHR1HM-226Z	E CAPACITOR	22uF 50V M	
C9624	NCB31HK-102X	C CAPACITOR	1000pF 50V K	
C9625	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C9626	QEHR2DM-226Z	E CAPACITOR	22uF 200V M	
C9627	NCB31HK-222X	C CAPACITOR	2200pF 50V K	
C9628	NCB31HK-222X	C CAPACITOR	2200pF 50V K	
C9630	NCB31HK-222X	C CAPACITOR	2200pF 50V K	
C9631	QEHR1VM-227Z	E CAPACITOR	220uF 35V M	
C9632	QEHR1EM-227Z	E CAPACITOR	220uF 25V M	
C9633	QECR1EM-687Z	E CAPACITOR	680uF 25V M	
C9635	QECR1AM-128Z	E CAPACITOR	1200uF 10V M	
⚠R9001	QRZ0057-825	C RESISTOR	8.2MΩ 1W J	
R9003	QRX01GJ-1R0	MF RESISTOR	1Ω 1W J	
R9004	QRX01GJ-R82	MF RESISTOR	0.82Ω 1W J	
R9007	QRE121J-151Y	C RESISTOR	150Ω 1/2W J	
R9008	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R9009	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R9010	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R9011	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
⚠R9012	QRZ9055-4R7	FUSI RESISTOR	4.7Ω 2W K	
R9013	QRZ0216-4R7	UNF WW RESISTOR	4.7Ω 7W K	
R9015	QRE121J-224Y	C RESISTOR	220kΩ 1/2W J	
R9016	QRE121J-224Y	C RESISTOR	220kΩ 1/2W J	
⚠R9017	QRZ9009-220	FUSI RESISTOR	22Ω 1/2W J	
⚠R9018	QRZ9017-4R7	FUSI RESISTOR	4.7Ω 1/4W J	
R9019	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R9020	QRE121J-331Y	C RESISTOR	330Ω 1/2W J	
⚠R9021	QRZ9017-4R7	FUSI RESISTOR	4.7Ω 1/4W J	
R9022	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R9024	QRM059J-R15	MP RESISTOR	0.15Ω 5W J	
R9025	QRM059J-R15	MP RESISTOR	0.15Ω 5W J	
R9026	QRE121J-333Y	C RESISTOR	33kΩ 1/2W J	
R9027	QRE121J-333Y	C RESISTOR	33kΩ 1/2W J	
R9028	QRE121J-333Y	C RESISTOR	33kΩ 1/2W J	
R9029	NRS144F-124X	MG RESISTOR	120kΩ 1/4W F	
R9030	NRS144F-124X	MG RESISTOR	120kΩ 1/4W F	
R9031	NRS144F-224X	MG RESISTOR	220kΩ 1/4W F	
R9032	NRS144F-224X	MG RESISTOR	220kΩ 1/4W F	
R9033	NRS144F-124X	MG RESISTOR	120kΩ 1/4W F	
R9034	NRS144F-124X	MG RESISTOR	120kΩ 1/4W F	
R9035	QRE121J-472Y	C RESISTOR	4.7kΩ 1/2W J	
R9036	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R9037	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R9038	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R9040	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	
R9045	NRSA63J-270X	MG RESISTOR	27Ω 1/16W J	
R9046	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R9047	NRSA63J-273X	MG RESISTOR	27kΩ 1/16W J	
R9048	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R9049	QRK126J-820X	UNF C RESISTOR	82Ω 1/2W J	
R9051	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R9052	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R9053	NRSA63J-394X	MG RESISTOR	390kΩ 1/16W J	
R9054	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	
R9056	NRSA63D-152X	MG RESISTOR	1.5kΩ 1/16W D	
R9057	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R9060	NRSA63D-222X	MG RESISTOR	2.2kΩ 1/16W D	
R9061	QRZ0216-4R7	UNF WW RESISTOR	4.7Ω 7W K	
R9062	QRE121J-100Y	C RESISTOR	10Ω 1/2W J	
R9063	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R9065	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R9066	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R9201	QRL039J-563	OMF RESISTOR	56kΩ 3W J	
R9202	QRL039J-563	OMF RESISTOR	56kΩ 3W J	
R9204	QRT029J-R27	MF RESISTOR	0.27Ω 2W J	
R9205	QRK126J-101X	UNF C RESISTOR	100Ω 1/2W J	
R9206	QRE121J-182Y	C RESISTOR	1.8kΩ 1/2W J	
R9207	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
R9208	QRE121J-684Y	C RESISTOR	680kΩ 1/2W J	

⚠Ref No.	Part No.	Part Name	Description	Local
R9209	QRL039J-220	OMF RESISTOR	22Ω 3W J	
⚠R9210	QRZ9009-100	FUSI RESISTOR	10Ω 1/2W J	
R9211	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
R9212	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R9213	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R9214	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R9216	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
R9217	QRE121J-102Y	C RESISTOR	1kΩ 1/2W J	
R9218	QRE121J-124Y	C RESISTOR	120kΩ 1/2W J	
R9219	QVP0087-202Z	TRIM RESISTOR	Va VR 2kΩ 0.3W N	
R9220	NRSA63D-472X	MG RESISTOR	4.7kΩ 1/16W D	
R9221	NRSA63J-123X	MG RESISTOR	12kΩ 1/16W J	
R9225	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R9239	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R9240	QRE121J-273Y	C RESISTOR	27kΩ 1/2W J	
R9241	NRSA63J-273X	MG RESISTOR	27kΩ 1/16W J	
R9243	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R9251	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R9252	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	
R9259	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	
R9260	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R9262	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J	
R9263	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
R9264	NRSA63J-822X	MG RESISTOR	8.2kΩ 1/16W J	
R9266	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R9267	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
R9268	NRSA63J-182X	MG RESISTOR	1.8kΩ 1/16W J	
R9269	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R9270	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R9271	QRL039J-682	OMF RESISTOR	6.8kΩ 3W J	
R9401	QRE121J-824Y	C RESISTOR	820kΩ 1/2W J	
R9402	QRL039J-220	OMF RESISTOR	22Ω 3W J	
R9403	QRL039J-563	OMF RESISTOR	56kΩ 3W J	
R9404	QRM059J-R22	MP RESISTOR	0.22Ω 5W J	
R9405	QRT029J-3R9	MF RESISTOR	3.9Ω 2W J	
R9406	QRE121J-120Y	C RESISTOR	12Ω 1/2W J	
R9407	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R9408	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R9409	NRSA63J-274X	MG RESISTOR	270kΩ 1/16W J	
R9411	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R9413	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R9414	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
⚠R9415	QRZ9017-470	FUSI RESISTOR	47Ω 1/4W J	
R9416	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R9417	NRSA63J-272X	MG RESISTOR	2.7kΩ 1/16W J	
R9418	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R9420	NRS12BJ-823W	MG RESISTOR	82kΩ 1/2W J	
R9421	NRS12BJ-562W	MG RESISTOR	5.6kΩ 1/2W J	
R9422	NRSA63J-272X	MG RESISTOR	2.7kΩ 1/16W J	
R9423	NRS12BJ-823W	MG RESISTOR	82kΩ 1/2W J	
R9424	QVP0087-501Z	TRIM RESISTOR	Vs VR 500Ω 0.3W N	
R9425	NRSA63D-222X	MG RESISTOR	2.2kΩ 1/16W D	
R9426	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R9435	QRE121J-124Y	C RESISTOR	120kΩ 1/2W J	
R9436	NRSA63J-563X	MG RESISTOR	56kΩ 1/16W J	
R9450	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R9451	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R9452	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R9453	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R9454	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R9455	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
R9456	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
R9457	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R9601	QRX01GJ-1R8	MF RESISTOR	1.8Ω 1W J	
R9603	QRK126J-681X	UNF C RESISTOR	680Ω 1/2W J	
⚠R9604	QRZ9017-100	FUSI RESISTOR	10Ω 1/4W J	
R9605	QRE121J-222Y	C RESISTOR	2.2kΩ 1/2W J	
R9606	QRE121J-183Y	C RESISTOR	18kΩ 1/2W J	
R9607	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R9608	NRS12BJ-823W	MG RESISTOR	82kΩ 1/2W J	
R9609	QRK126J-562X	UNF C RESISTOR	5.6kΩ 1/2W J	
R9610	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R9611	QRX01GJ-1R0	MF RESISTOR	1Ω 1W J	
R9613	QRK126J-681X	UNF C RESISTOR	680Ω 1/2W J	
⚠R9614	QRZ9017-100	FUSI RESISTOR	10Ω 1/4W J	
R9615	QRE121J-222Y	C RESISTOR	2.2kΩ 1/2W J	
R9616	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J	
R9617	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R9618	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R9619	QRK126J-562X	UNF C RESISTOR	5.6kΩ 1/2W J	
R9621	QRX01GJ-1R0	MF RESISTOR	1Ω 1W J	
R9623	QRK126J-681X	UNF C RESISTOR	680Ω 1/2W J	
⚠R9624	QRZ9017-100	FUSI RESISTOR	10Ω 1/4W J	
R9625	QRE121J-222Y	C RESISTOR	2.2kΩ 1/2W J	
R9626	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J	
R9627	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R9628	QVP0087-202Z	TRIM RESISTOR	Vscan VR 2kΩ 0.3W N	

⚠Ref No.	Part No.	Part Name	Description	Local
R9629	QRK126J-562X	UNF C RESISTOR	5.6kΩ 1/2W J	
R9632	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R9635	NRSA63J-272X	MG RESISTOR	2.7kΩ 1/16W J	
R9636	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J	
R9637	NRS12BJ-683W	MG RESISTOR	68kΩ 1/2W J	
R9638	NRS12BJ-683W	MG RESISTOR	68kΩ 1/2W J	
R9639	NRSA63J-224X	MG RESISTOR	220kΩ 1/16W J	
R9640	QVP0087-102Z	TRIM RESISTOR	Vset VR 1kΩ 0.3W N	
R9641	NRSA63J-123X	MG RESISTOR	12kΩ 1/16W J	
R9642	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R9643	NRS12BJ-683W	MG RESISTOR	68kΩ 1/2W J	
R9644	NRS12BJ-683W	MG RESISTOR	68kΩ 1/2W J	
R9645	NRSA63J-224X	MG RESISTOR	220kΩ 1/16W J	
R9646	QVP0087-102Z	TRIM RESISTOR	Ve VR 1kΩ 0.3W N	
R9647	NRSA63J-123X	MG RESISTOR	12kΩ 1/16W J	
R9648	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
⚠R9649	QRZ9009-1R5	FUSI RESISTOR	1.5Ω 1/2W J	
⚠R9650	QRZ9009-1R5	FUSI RESISTOR	1.5Ω 1/2W J	
⚠R9651	QRZ9009-1R5	FUSI RESISTOR	1.5Ω 1/2W J	
L9001	QQL26AM-4R7Z	PEAKING COIL	4.7uH M	
L9002	QQR1440-001	CHOKE COIL		
L9201	QQR1432-001	CHOKE COIL		
L9401	QQLZ026-5R0	COIL	5uH ±7%	
L9631	QQR1432-001	CHOKE COIL		
⚠T9201	QQS0248-001	SW TRANSF		
⚠T9401	QQS0246-001	SW TRANSF		
⚠T9402	QQS0252-001	SW TRANSF		
⚠T9601	QQS0250-001	SW TRANSF		
⚠T9602	QQS0251-001	SW TRANSF		
⚠T9603	QQS0251-001	SW TRANSF		
⚠CP9001	QMFZ043-5R0Z-J1	FUSE	5A AC250V	
⚠CP9002	QMFZ052-2R0-E	FUSE	2A AC250V	
⚠CP9202	ICP-N70-T	IC PROTECTOR	2.5A	
⚠CP9601	QMFZ052-2R0-E	FUSE	2A AC250V	
⚠LF9001	QQR1281-002	LINE FILTER		
RY9001	QSK0118-001	RELAY		
RY9002	QSK0090-001	RELAY		
TH9001	QAD0125-471	P THERMISTOR	110C° 470Ω 16V	
	LC41755-001A	RADIATION SHEET		
	CE41666-002	RADIATION SHEET	(x2)	

SUB POWER P.W. BOARD ASS'Y (SFP-9506A-M2)

⚠Ref No.	Part No.	Part Name	Description	Local
IC9001	STR-W6765-F5	IC		
IC9051	UTCTL431-T	IC		
Q9071	KTC3199/YG/-T	TRANSISTOR		
D9001	MTZJ33B-T2	Z DIODE		
D9004	RGP10J-5025-T3	SI DIODE		
D9005	1SS133-T2	SI DIODE		
D9006	RGP10J-5025-T3	SI DIODE		
D9008	SARS01-T2	SI DIODE		
D9009	SARS01-T2	SI DIODE		
D9011	1SS133-T2	SI DIODE		
D9051	RU4YX-F1	SI DIODE		
D9052	RU4YX-F1	SI DIODE		
D9053	FMX-G12S	SI DIODE		
D9054	RGP10J-5025-T3	SI DIODE		
D9055	RD33E/B1/-T2	Z DIODE		
D9071	RU4YX-F1	SI DIODE		
D9072	1SS133-T2	SI DIODE		
D9073	MTZJ5.1A-T2	Z DIODE		
⚠PC9001	PS2581AL1/QW/	PHOTO COUPLER		
C9001	QEZ0674-476	E CAPACITOR	47uF 450V M	
C9002	QFP32JK-332	PP CAPACITOR	3300pF 630V K	
C9003	QCZ0340-471	C CAPACITOR	470pF 2kV K	
C9004	QCS31HJ-471Z	C CAPACITOR	470pF 50V J	
C9006	QCB31HK-562Z	C CAPACITOR	5600pF 50V K	
C9008	QFLC1HJ-104Z	M CAPACITOR	0.1uF 50V J	
C9010	QEHR1HM-105Z	E CAPACITOR	1uF 50V M	
C9011	QEHR1HM-336Z	E CAPACITOR	33uF 50V M	
C9051	QECQ1EM-228	E CAPACITOR	2200uF 25V M	
C9053	QECQ1EM-228	E CAPACITOR	2200uF 25V M	
C9054	QECQ1EM-228	E CAPACITOR	2200uF 25V M	
C9055	QEHR2AM-106Z	E CAPACITOR	10uF 100V M	
C9057	QFLC1HJ-104Z	M CAPACITOR	0.1uF 50V J	
C9060	QECQ1EM-228	E CAPACITOR	2200uF 25V M	
C9072	QECQ1EM-228	E CAPACITOR	2200uF 25V M	
C9073	QEHR1HM-105Z	E CAPACITOR	1uF 50V M	
C9074	QEHR1HM-105Z	E CAPACITOR	1uF 50V M	
⚠C9901	QCZ9079-102	C CAPACITOR	1000pF AC250V M	
⚠C9902	QCZ9079-102	C CAPACITOR	1000pF AC250V M	
R9001	QRK126J-101X	UNF C RESISTOR	100Ω 1/2W J	
R9002	QRX01GJ-R39	MF RESISTOR	0.39Ω 1W J	
R9004	QRL039J-563	OMF RESISTOR	56kΩ 3W J	
R9005	QRL039J-563	OMF RESISTOR	56kΩ 3W J	
R9006	QRE121J-122Y	C RESISTOR	1.2kΩ 1/2W J	
R9008	QRE121J-564Y	C RESISTOR	560kΩ 1/2W J	
R9009	QRL039J-220	OMF RESISTOR	22Ω 3W J	
⚠R9010	QRZ9017-470	FUSI RESISTOR	47Ω 1/4W J	
R9011	QRE141J-332Y	C RESISTOR	3.3kΩ 1/4W J	
R9012	QRE141J-102Y	C RESISTOR	1kΩ 1/4W J	
R9050	QRG01GJ-821	OMF RESISTOR	820Ω 1W J	
R9051	QRE141J-102Y	C RESISTOR	1kΩ 1/4W J	
R9053	QRE141J-123Y	C RESISTOR	12kΩ 1/4W J	
R9055	QRA14CF-1802Y	CMF RESISTOR	18kΩ 1/4W F	
R9057	QRA14CF-3301Y	CMF RESISTOR	3.3kΩ 1/4W F	
R9058	QRE141J-223Y	C RESISTOR	22kΩ 1/4W J	
R9059	QRE141J-102Y	C RESISTOR	1kΩ 1/4W J	
R9060	QRL029J-152	OMF RESISTOR	1.5kΩ 2W J	
R9071	QRG01GJ-821	OMF RESISTOR	820Ω 1W J	
R9072	QRE141J-103Y	C RESISTOR	10kΩ 1/4W J	
R9073	QRE141J-332Y	C RESISTOR	3.3kΩ 1/4W J	
R9074	QRE141J-822Y	C RESISTOR	8.2kΩ 1/4W J	
R9075	QRE141J-473Y	C RESISTOR	47kΩ 1/4W J	
L9051	QQL26AK-220Z	CHOKE COIL	22uH K	
T9001	QQS0279-001	SW TRANSF		
CP9001	QMFZ043-5R0Z-J1	FUSE	5A AC250V	
⚠CP9051	ICP-N70-T	IC PROTECTOR	2.5A	
⚠CP9071	ICP-N70-T	IC PROTECTOR	2.5A	
⚠CP9072	ICP-N70-T	IC PROTECTOR	2.5A	
⚠CP9073	ICP-N50-Y	IC PROTECTOR	2.0A	

X-MAIN P.W. BOARD ASS'Y (LJ92-00943A)

⚠Ref No.	Part No.	Part Name	Description	Local
⚠	LJ92-00943A	X-MAIN PWB		

Y-MAIN P.W. BOARD ASS'Y(LJ92-00944B)

⚠Ref No.	Part No.	Part Name	Description	Local
⚠	LJ92-00944B	Y-MAIN PWB		

E-BUFFER P.W. BOARD ASS'Y (LJ92-00811A)

⚠Ref No.	Part No.	Part Name	Description	Local
⚠	LJ92-00811A	E-BUFFER PWB		

F-BUFFER P.W. BOARD ASS'Y (LJ92-00812A)

⚠Ref No.	Part No.	Part Name	Description	Local
⚠	LJ92-00812A	F-BUFFER PWB		

G-BUFFER P.W. BOARD ASS'Y (LJ92-00813A)

⚠Ref No.	Part No.	Part Name	Description	Local
⚠	LJ92-00813A	G-BUFFER PWB		

LOGIC-MAIN P.W. BOARD ASS'Y (LJ92-00975A)

⚠Ref No.	Part No.	Part Name	Description	Local
⚠	LJ92-00975A	LOGIC-MAIN PWB		

Y-BUFFER-U P.W. BOARD ASS'Y (LJ9200796A)

⚠Ref No.	Part No.	Part Name	Description	Local
⚠	LJ9200796A	Y-BUFFER-U PWB		

Y-BUFFER-L P.W. BOARD ASS'Y (LJ9200797A)

⚠Ref No.	Part No.	Part Name	Description	Local
⚠	LJ9200797A	Y-BUFFER-L PWB		

PRINTED WIRING BOARD PARTS LIST [PD-42V485/S]

RECEIVER P.W. BOARD ASS'Y (SFP0F502A-M2)

REFER TO PARTS LIST IN PAGE 3-12 FOR THIS P.W. BOARD.

ANALOG SIGNAL P.W. BOARD ASS'Y (SFP0A503A-M2)

REFER TO PARTS LIST IN PAGE 3-12 FOR THIS P.W. BOARD.

AV JACK P.W. BOARD ASS'Y (SFP0J502A-M2)

REFER TO PARTS LIST IN PAGE 3-14 FOR THIS P.W. BOARD.

DIGITAL SIGNAL P.W. BOARD ASS'Y (SFP0D504A-M2)

⚠Ref No.	Part No.	Part Name	Description	Local
IC0401	SN74AHCT1G32V-X	IC		
IC1001	TC90A92AFG	IC	100pin	
IC1502	NJM2235V-X	IC		
IC3001	JCC5055	IC	438pin	
IC3004	TC7MB3257FK-X	IC		
IC3005	SN74LVC1G08V-X	IC		
IC3006	SN74LVC2G126T-X	IC		
IC3403	S-80928CLNB-W	IC		
IC3501	MT46V2M32V1LG55	IC	100pin	
IC3502	MT46V2M32V1LG55	IC	100pin	
IC3503	LP2996MR-X	IC		
IC4001	JCC5057	IC	208pin	
IC4003	AT29LV01042V485	IC	(SERVICE)	
IC4004	AT24C25642V485D	IC	(SERVICE)	
IC4005	SN74LVC1G08V-X	IC		
IC6502	THC63LVDM83R-W	IC		
IC7001	MN102H60KPB	IC(MCU)	or MN102HF60KPB 100pin	
IC7002	AT24C256-42V485	IC	(SERVICE)	
IC7401	S-80828CLNB-W	IC		
IC7601	M306V7MG-091FP	IC(MCU)	or M306V7FG-091FP 100pin	
IC7602	AT24C32-42V485	IC	(SERVICE)	
IC7603	SN74LVC1G04V-X	IC		
IC7607	MM1510XN-X	IC		
IC7608	MM1510XN-X	IC		
IC9001	MP1580HS-X	IC		
IC9101	MP1580HS-X	IC		
IC9201	MP1580HS-X	IC		
Q0101	2SC3837K/NP/-X	TRANSISTOR		
Q0102	2SA1022/BC/-X	TRANSISTOR		
Q0104	2SA1022/BC/-X	TRANSISTOR		
Q0107	2SA1530A/QR/-X	TRANSISTOR		
Q0108	2SC3928A/QR/-X	TRANSISTOR		
Q0109	HN1C01F/Y/-X	PAIR TRANSISTOR		
Q0110	HN1C01F/Y/-X	PAIR TRANSISTOR		
Q0201	2SC3837K/NP/-X	TRANSISTOR		
Q0202	2SA1022/BC/-X	TRANSISTOR		
Q0203	2SC3928A/QR/-X	TRANSISTOR		
Q0204	2SA1022/BC/-X	TRANSISTOR		
Q0207	2SA1530A/QR/-X	TRANSISTOR		
Q0208	2SC3928A/QR/-X	TRANSISTOR		
Q0209	HN1C01F/Y/-X	PAIR TRANSISTOR		
Q0210	HN1C01F/Y/-X	PAIR TRANSISTOR		
Q0301	2SC3837K/NP/-X	TRANSISTOR		
Q0302	2SA1022/BC/-X	TRANSISTOR		
Q0303	2SC3928A/QR/-X	TRANSISTOR		
Q0304	2SA1022/BC/-X	TRANSISTOR		
Q0307	2SA1530A/QR/-X	TRANSISTOR		
Q0308	2SC3928A/QR/-X	TRANSISTOR		
Q0309	HN1C01F/Y/-X	PAIR TRANSISTOR		
Q0310	HN1C01F/Y/-X	PAIR TRANSISTOR		
Q1001	UN2213-X	DIGI TRANSISTOR		
Q1003	2SC3928A/QR/-X	TRANSISTOR		
Q1004	2SA1530A/QR/-X	TRANSISTOR		
Q1101	2SC3928A/QR/-X	TRANSISTOR		
Q1103	2SA1530A/QR/-X	TRANSISTOR		
Q1201	2SC3928A/QR/-X	TRANSISTOR		
Q1203	2SA1530A/QR/-X	TRANSISTOR		
Q1301	2SC3928A/QR/-X	TRANSISTOR		
Q1303	2SA1530A/QR/-X	TRANSISTOR		
Q1401	2SC3928A/QR/-X	TRANSISTOR		
Q1403	2SA1530A/QR/-X	TRANSISTOR		
Q3001	2SC3928A/QR/-X	TRANSISTOR		
Q3002	2SA1530A/QR/-X	TRANSISTOR		
Q3003	2SC3928A/QR/-X	TRANSISTOR		
Q3004	2SA1530A/QR/-X	TRANSISTOR		
Q7206	UN2213-X	DIGI TRANSISTOR		
Q7207	DTA144EKA-X	DIGI TRANSISTOR		
D1001	EC30HA03L-X	SB DIODE		
D1002	EC30HA03L-X	SB DIODE		
D7001	MA111-X	SI DIODE		
D7002	MA8051/M/-X	Z DIODE		
D7003	MA111-X	SI DIODE		
D7005	MA8082/M/-X	Z DIODE		
D7006	MA8082/M/-X	Z DIODE		
D7007	MA8082/M/-X	Z DIODE		
D7008	MA8082/M/-X	Z DIODE		
D7009	MA8082/M/-X	Z DIODE		
D7203	MA111-X	SI DIODE		
D7204	MA111-X	SI DIODE		
D7210	RB501V-40-X	SB DIODE		
D9001	EC30HA03L-X	SB DIODE		
D9003	PTZ3.9B-X	Z DIODE		
D9101	EC30HA03L-X	SB DIODE		
D9102	EC30HA03L-X	SB DIODE		
D9103	PTZ3.9B-X	Z DIODE		
D9104	MA111-X	SI DIODE		
D9201	EC30HA03L-X	SB DIODE		
D9203	PTZ3.9B-X	Z DIODE		
D9204	MA111-X	SI DIODE		
C0103	NDC31HJ-330X	C CAPACITOR	33pF 50V J	
C0105	NDC31HJ-270X	C CAPACITOR	27pF 50V J	
C0107	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C0109	NCB11AK-106X	C CAPACITOR	10uF 10V K	
C0110	NCB11AK-106X	C CAPACITOR	10uF 10V K	
C0111	NDC31HJ-820X	C CAPACITOR	82pF 50V J	
C0112	NDC31HJ-820X	C CAPACITOR	82pF 50V J	
C0113	NCB11AK-106X	C CAPACITOR	10uF 10V K	
C0114	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C0115	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C0116	NCB11AK-106X	C CAPACITOR	10uF 10V K	
C0117	NDC31HJ-560X	C CAPACITOR	56pF 50V J	
C0203	NDC31HJ-330X	C CAPACITOR	33pF 50V J	
C0205	NDC31HJ-270X	C CAPACITOR	27pF 50V J	
C0207	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C0209	NCB11AK-106X	C CAPACITOR	10uF 10V K	
C0210	NCB11AK-106X	C CAPACITOR	10uF 10V K	
C0211	NDC31HJ-820X	C CAPACITOR	82pF 50V J	
C0212	NDC31HJ-820X	C CAPACITOR	82pF 50V J	
C0213	NCB11AK-106X	C CAPACITOR	10uF 10V K	
C0214	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C0215	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C0217	NDC31HJ-560X	C CAPACITOR	56pF 50V J	
C0303	NDC31HJ-330X	C CAPACITOR	33pF 50V J	
C0305	NDC31HJ-270X	C CAPACITOR	27pF 50V J	
C0307	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C0309	NCB11AK-106X	C CAPACITOR	10uF 10V K	
C0310	NCB11AK-106X	C CAPACITOR	10uF 10V K	
C0311	NDC31HJ-820X	C CAPACITOR	82pF 50V J	
C0312	NDC31HJ-820X	C CAPACITOR	82pF 50V J	
C0313	NCB11AK-106X	C CAPACITOR	10uF 10V K	
C0314	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C0315	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C0317	NDC31HJ-560X	C CAPACITOR	56pF 50V J	
C0401	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C0519	NDC31HJ-560X	C CAPACITOR	56pF 50V J	
C1001	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1003	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1004	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1005	NCB31HK-152X	C CAPACITOR	1500pF 50V K	
C1006	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1008	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1009	NDC31HJ-220X	C CAPACITOR	22pF 50V J	
C1010	NDC31HJ-180X	C CAPACITOR	18pF 50V J	
C1011	NDC31HJ-102X	C CAPACITOR	1000pF 50V J	
C1012	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1013	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1014	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1015	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1016	NCB11AK-106X	C CAPACITOR	10uF 10V K	
C1017	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1018	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1019	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1021	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1023	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1025	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1026	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1028	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	

⚠Ref No.	Part No.	Part Name	Description	Local
C1029	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1030	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1031	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1032	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1033	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1034	NDC31HJ-151X	C CAPACITOR	150pF 50V J	
C1035	NDC31HJ-680X	C CAPACITOR	68pF 50V J	
C1037	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C1038	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1039	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1040	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1041	NCB10JK-106X	C CAPACITOR	10uF 6.3V K	
C1042	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C1043	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1045	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C1046	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1047	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1048	NCB11CK-105X	C CAPACITOR	1uF 16V K	
C1049	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1050	NCB11CK-105X	C CAPACITOR	1uF 16V K	
C1051	NCB11CK-105X	C CAPACITOR	1uF 16V K	
C1061	NDC31HJ-4R0X	C CAPACITOR	4pF 50V J	
C1102	NDC31HJ-330X	C CAPACITOR	33pF 50V J	
C1103	NDC31HJ-330X	C CAPACITOR	33pF 50V J	
C1104	NDC31HJ-560X	C CAPACITOR	56pF 50V J	
C1105	NCF11CZ-475X	C CAPACITOR	4.7uF 16V Z	
C1106	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C1109	NDC31HJ-151X	C CAPACITOR	150pF 50V J	
C1202	NDC31HJ-330X	C CAPACITOR	33pF 50V J	
C1203	NDC31HJ-330X	C CAPACITOR	33pF 50V J	
C1204	NDC31HJ-560X	C CAPACITOR	56pF 50V J	
C1205	NCF11CZ-475X	C CAPACITOR	4.7uF 16V Z	
C1206	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C1209	NDC31HJ-151X	C CAPACITOR	150pF 50V J	
C1302	NDC31HJ-330X	C CAPACITOR	33pF 50V J	
C1303	NDC31HJ-330X	C CAPACITOR	33pF 50V J	
C1304	NDC31HJ-560X	C CAPACITOR	56pF 50V J	
C1305	NCF11CZ-475X	C CAPACITOR	4.7uF 16V Z	
C1306	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C1309	NDC31HJ-151X	C CAPACITOR	150pF 50V J	
C1402	NDC31HJ-330X	C CAPACITOR	33pF 50V J	
C1403	NDC31HJ-330X	C CAPACITOR	33pF 50V J	
C1404	NDC31HJ-560X	C CAPACITOR	56pF 50V J	
C1405	NCF11CZ-475X	C CAPACITOR	4.7uF 16V Z	
C1406	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C1409	NDC31HJ-151X	C CAPACITOR	150pF 50V J	
C1502	NEN51EM-106X	BP E CAPACITOR	10uF 25V M	
C1508	NCF11CZ-475X	C CAPACITOR	4.7uF 16V Z	
C1509	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1511	NRSA63J-105X	MG RESISTOR	1MΩ 1/16W J	
C3004	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3006	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3008	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3010	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3016	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3018	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3019	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3021	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3022	NBZ0007-107X	SP E CAPACITOR	100uF 4V M	
C3023	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3028	NDC31HJ-221X	C CAPACITOR	220pF 50V J	
C3030	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3031	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3032	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3037	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3040	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C3041	NDC31HJ-101X	C CAPACITOR	100pF 50V J	
C3042	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3043	NDC31HJ-101X	C CAPACITOR	100pF 50V J	
C3044	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3045	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3047	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3049	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3051	NCB31HK-472X	C CAPACITOR	4700pF 50V K	
C3052	NCB31AK-334X	C CAPACITOR	0.33uF 10V K	
C3056	NCB31AK-334X	C CAPACITOR	0.33uF 10V K	
C3059	NCB31HK-223X	C CAPACITOR	0.022uF 50V K	
C3060	NCB31HK-152X	C CAPACITOR	1500pF 50V K	
C3063	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3065	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3066	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3067	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3068	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3069	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3070	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3071	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3072	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3074	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3076	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3097	NCB30JK-225X	C CAPACITOR	2.2uF 6.3V K	
C3101	NCB30JK-225X	C CAPACITOR	2.2uF 6.3V K	
C3105	NCB30JK-225X	C CAPACITOR	2.2uF 6.3V K	
C3107	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C3109	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C3111	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3406	NCB31HK-102X	C CAPACITOR	1000pF 50V K	
C3501	NCF31CZ-474X	C CAPACITOR	0.47uF 16V Z	
C3503	NCF31CZ-474X	C CAPACITOR	0.47uF 16V Z	
C3506	NCB30JK-225X	C CAPACITOR	2.2uF 6.3V K	
C3507	NCF31CZ-474X	C CAPACITOR	0.47uF 16V Z	
C3508	NCF31CZ-474X	C CAPACITOR	0.47uF 16V Z	
C3509	NCB30JK-225X	C CAPACITOR	2.2uF 6.3V K	
C3511	NCF31CZ-474X	C CAPACITOR	0.47uF 16V Z	
C3515	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3516	NCF31CZ-474X	C CAPACITOR	0.47uF 16V Z	
C3517	NCF31CZ-474X	C CAPACITOR	0.47uF 16V Z	
C3518	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3519	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3524	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3527	NCF31CZ-474X	C CAPACITOR	0.47uF 16V Z	
C3530	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3531	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3532	NCB30JK-225X	C CAPACITOR	2.2uF 6.3V K	
C3533	NCB30JK-225X	C CAPACITOR	2.2uF 6.3V K	
C3535	NCF31CZ-474X	C CAPACITOR	0.47uF 16V Z	
C3539	NCF31CZ-474X	C CAPACITOR	0.47uF 16V Z	
C3540	NCF31CZ-474X	C CAPACITOR	0.47uF 16V Z	
C3542	NCF31CZ-474X	C CAPACITOR	0.47uF 16V Z	
C3543	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3548	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3549	NBZ0007-107X	SP E CAPACITOR	100uF 4V M	
C3550	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3551	NBZ0007-107X	SP E CAPACITOR	100uF 4V M	
C3552	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C4002	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C4003	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C4005	NCB31AK-105X	C CAPACITOR	1uF 10V K	
C4006	NCB31AK-105X	C CAPACITOR	1uF 10V K	
C4008	NCF11CZ-475X	C CAPACITOR	4.7uF 16V Z	
C4009	NCB31AK-105X	C CAPACITOR	1uF 10V K	
C4010	NCB31AK-105X	C CAPACITOR	1uF 10V K	
C4011	NCF11CZ-475X	C CAPACITOR	4.7uF 16V Z	
C4012	NCB31AK-105X	C CAPACITOR	1uF 10V K	
C4013	NCB31AK-105X	C CAPACITOR	1uF 10V K	
C4016	NCB31AK-105X	C CAPACITOR	1uF 10V K	
C4020	NCB31AK-105X	C CAPACITOR	1uF 10V K	
C4022	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C4023	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C4029	NDC31HJ-470X	C CAPACITOR	47pF 50V J	
C4030	NDC31HJ-470X	C CAPACITOR	47pF 50V J	
C6013	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6014	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6015	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6512	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6513	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6514	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6515	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6516	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6523	NCB11AK-106X	C CAPACITOR	10uF 10V K	
C7001	NCB31AK-105X	C CAPACITOR	1uF 10V K	
C7002	NCB31AK-105X	C CAPACITOR	1uF 10V K	
C7003	NCF11CZ-475X	C CAPACITOR	4.7uF 16V Z	
C7006	NDC31HJ-150X	C CAPACITOR	15pF 50V J	
C7007	NCB31AK-105X	C CAPACITOR	1uF 10V K	
C7010	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C7011	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C7012	NCB31CK-153X	C CAPACITOR	0.015uF 16V K	
C7017	NDC31HJ-391X	C CAPACITOR	390pF 50V J	
C7018	NCB31AK-105X	C CAPACITOR	1uF 10V K	
C7025	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C7203	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C7401	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C7402	NCB31AK-105X	C CAPACITOR	1uF 10V K	
C7601	NDC31HJ-102X	C CAPACITOR	1000pF 50V J	
C7602	NDC31HJ-221X	C CAPACITOR	220pF 50V J	
C7603	NCB21AK-225X	C CAPACITOR	2.2uF 10V K	
C7607	NCB31HK-102X	C CAPACITOR	1000pF 50V K	
C7608	NCB31HK-221X	C CAPACITOR	220pF 50V K	
C7609	NCB21AK-225X	C CAPACITOR	2.2uF 10V K	
C7610	NCB31HK-681X	C CAPACITOR	680pF 50V K	
C7611	NCB31HK-681X	C CAPACITOR	680pF 50V K	
C7612	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
C7613	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
C7614	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	

⚠Ref No.	Part No.	Part Name	Description	Local
C7615	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C7616	NCB11CK-105X	C CAPACITOR	1uF 16V K	
C7617	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C7618	NCB11AK-106X	C CAPACITOR	10uF 10V K	
C7619	NCF11CZ-475X	C CAPACITOR	4.7uF 16V Z	
C7621	NCB11AK-106X	C CAPACITOR	10uF 10V K	
C7622	NCF11CZ-475X	C CAPACITOR	4.7uF 16V Z	
C9002	NCJ41EK-106X-U	C CAPACITOR	10mF 25V K	
C9004	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C9005	NCJ41CK-226X-U	C CAPACITOR	22mF 16V K	
C9007	NCB31HK-222X	C CAPACITOR	2200pF 50V K	
C9102	NCJ41EK-106X-U	C CAPACITOR	10mF 25V K	
C9104	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C9105	NCJ41CK-226X-U	C CAPACITOR	22mF 16V K	
C9106	NDC31HJ-121X	C CAPACITOR	120pF 50V J	
C9107	NCB31HK-222X	C CAPACITOR	2200pF 50V K	
C9108	NCJ41CK-226X-U	C CAPACITOR	22mF 16V K	
C9111	NCB31HK-822X	C CAPACITOR	8200pF 50V K	
C9112	NCB31HK-222X	C CAPACITOR	2200pF 50V K	
C9202	NCJ41EK-106X-U	C CAPACITOR	10mF 25V K	
C9204	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C9205	NCJ41CK-226X-U	C CAPACITOR	22mF 16V K	
C9207	NCB31HK-222X	C CAPACITOR	2200pF 50V K	
C9209	NEZ0022-157X	E CAPACITOR	150uF 10V M	
C9211	NCB31HK-153X	C CAPACITOR	0.015uF 50V K	
R0105	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R0106	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R0107	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R0109	NRSA63J-151X	MG RESISTOR	150Ω 1/16W J	
R0110	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R0116	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R0119	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R0121	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R0122	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R0125	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R0126	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R0127	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R0128	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R0129	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R0131	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R0132	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R0133	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R0134	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R0137	NRSA63J-151X	MG RESISTOR	150Ω 1/16W J	
R0138	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R0140	NRSA63J-182X	MG RESISTOR	1.8kΩ 1/16W J	
R0141	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R0205	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R0206	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R0207	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R0208	NRSA63J-681X	MG RESISTOR	680Ω 1/16W J	
R0209	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R0210	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R0211	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R0216	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R0219	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R0221	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R0222	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R0225	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R0226	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R0227	NRSA63J-181X	MG RESISTOR	180Ω 1/16W J	
R0228	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R0229	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R0231	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R0232	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R0233	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R0234	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R0237	NRSA63J-271X	MG RESISTOR	270Ω 1/16W J	
R0238	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R0240	NRSA63J-182X	MG RESISTOR	1.8kΩ 1/16W J	
R0241	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R0305	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R0306	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R0307	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R0308	NRSA63J-681X	MG RESISTOR	680Ω 1/16W J	
R0309	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R0310	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R0311	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R0316	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R0319	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R0321	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R0322	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R0325	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R0326	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R0327	NRSA63J-181X	MG RESISTOR	180Ω 1/16W J	
R0328	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	

⚠Ref No.	Part No.	Part Name	Description	Local
R0329	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R0331	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R0332	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R0333	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R0334	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R0337	NRSA63J-271X	MG RESISTOR	270Ω 1/16W J	
R0338	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R0340	NRSA63J-182X	MG RESISTOR	1.8kΩ 1/16W J	
R0341	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R0501	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R0502	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R0504	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R0506	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R0507	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R0508	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R0516	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R0517	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R0518	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R0519	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R0520	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R0522	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R0523	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R0524	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R0525	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R0526	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R0527	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R1001	NRSA63J-274X	MG RESISTOR	270kΩ 1/16W J	
R1002	NRSA63D-101X	MG RESISTOR	100Ω 1/16W D	
R1003	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R1004	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R1005	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R1006	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R1007	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R1010	NRSA63J-561X	MG RESISTOR	560Ω 1/16W J	
R1011	NRSA63J-183X	MG RESISTOR	18kΩ 1/16W J	
R1012	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J	
R1013	NRSA63J-122X	MG RESISTOR	1.2kΩ 1/16W J	
R1014	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R1017	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R1018	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
R1019	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R1101	NRSA63J-182X	MG RESISTOR	1.8kΩ 1/16W J	
R1102	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R1104	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
R1105	NRSA63J-561X	MG RESISTOR	560Ω 1/16W J	
R1106	NRSA63J-122X	MG RESISTOR	1.2kΩ 1/16W J	
R1107	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J	
R1113	NRSA63J-330X	MG RESISTOR	33Ω 1/16W J	
R1201	NRSA63J-182X	MG RESISTOR	1.8kΩ 1/16W J	
R1203	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R1204	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
R1205	NRSA63J-561X	MG RESISTOR	560Ω 1/16W J	
R1206	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R1207	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J	
R1213	NRSA63J-330X	MG RESISTOR	33Ω 1/16W J	
R1301	NRSA63J-182X	MG RESISTOR	1.8kΩ 1/16W J	
R1303	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R1304	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
R1305	NRSA63J-561X	MG RESISTOR	560Ω 1/16W J	
R1306	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R1307	NRSA63J-561X	MG RESISTOR	560Ω 1/16W J	
R1313	NRSA63J-330X	MG RESISTOR	33Ω 1/16W J	
R1401	NRSA63J-182X	MG RESISTOR	1.8kΩ 1/16W J	
R1403	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R1404	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
R1405	NRSA63J-561X	MG RESISTOR	560Ω 1/16W J	
R1406	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R1407	NRSA63J-561X	MG RESISTOR	560Ω 1/16W J	
R1413	NRSA63J-330X	MG RESISTOR	33Ω 1/16W J	
R1523	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
R1524	NRSA63J-474X	MG RESISTOR	470kΩ 1/16W J	
R1525	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R1584	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3001	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R3004	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R3006	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3007	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3008	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3009	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3018	NRSA02J-3R3X	MG RESISTOR	3.3Ω 1/10W J	
R3019	NRSA02J-3R3X	MG RESISTOR	3.3Ω 1/10W J	
R3020	NRSA02J-3R3X	MG RESISTOR	3.3Ω 1/10W J	
R3021	NRSA63D-102X	MG RESISTOR	1kΩ 1/16W D	
R3022	NRSA63D-332X	MG RESISTOR	3.3kΩ 1/16W D	
R3023	NRSA63D-332X	MG RESISTOR	3.3kΩ 1/16W D	
R3024	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R3028	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	

⚠Ref No.	Part No.	Part Name	Description	Local
R3029	NRSA63D-392X	MG RESISTOR	3.9kΩ 1/16W D	
R3030	NRSA63D-102X	MG RESISTOR	1kΩ 1/16W D	
R3031	NRSA63D-151X	MG RESISTOR	150Ω 1/16W D	
R3032	NRSA63J-5R6X	MG RESISTOR	5.6Ω 1/16W J	
R3033	NRSA63J-5R6X	MG RESISTOR	5.6Ω 1/16W J	
R3034	NRSA63J-5R6X	MG RESISTOR	5.6Ω 1/16W J	
R3036	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R3037	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J	
R3038	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R3040	NRSA63J-201X	MG RESISTOR	200Ω 1/16W J	
R3041	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R3042	NRSA63J-201X	MG RESISTOR	200Ω 1/16W J	
R3043	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J	
R3044	NRSA63J-821X	MG RESISTOR	820Ω 1/16W J	
R3045	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J	
R3047	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J	
R3048	NRSA63J-821X	MG RESISTOR	820Ω 1/16W J	
R3053	NRSA63J-272X	MG RESISTOR	2.7kΩ 1/16W J	
R3054	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3056	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3063	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R3064	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R3065	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R3066	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R3069	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3070	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3071	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3072	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3089	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J	
R3090	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J	
R3091	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J	
R3092	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J	
R3093	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J	
R3094	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J	
R3095	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J	
R3096	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J	
R3097	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J	
R3098	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J	
R3099	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J	
R3100	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J	
R3101	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J	
R3102	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J	
R3103	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J	
R3104	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J	
R3105	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J	
R3106	NRS144J-0R0X	MG RESISTOR	0Ω 1/4W J	
R3114	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3116	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3118	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3120	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J	
R3122	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J	
R3126	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3207	NRS144J-0R0X	MG RESISTOR	0Ω 1/4W J	
R3502	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J	
R3503	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J	
R3505	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J	
R3507	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J	
R3509	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J	
R3511	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J	
R3514	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J	
R3516	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J	
R3518	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J	
R3520	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J	
R3522	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J	
R3524	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J	
R3525	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J	
R3527	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J	
R3529	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J	
R3531	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J	
R3533	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J	
R3536	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J	
R3538	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J	
R3540	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J	
R3542	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J	
R3544	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J	
R4004	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R4005	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R4006	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R4007	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R4008	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R4015	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R4016	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R4018	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R4019	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R4023	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R4024	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R4027	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	

⚠Ref No.	Part No.	Part Name	Description	Local
R4028	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R4035	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R4037	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R4039	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R4041	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R4042	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R4044	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R4046	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R4052	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R4056	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R4057	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R4058	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R4059	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R4060	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J	
R4064	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R4065	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R4101	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R4102	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R4103	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R4104	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R4105	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R4106	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R6025	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R6028	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R6031	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R6034	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R6036	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R6038	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R6039	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R6040	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6043	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6048	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R6057	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6058	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6059	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6510	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R6512	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R6513	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6514	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R6515	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R6516	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R6521	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6527	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R6538	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6540	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6541	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7001	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R7002	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R7004	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R7005	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R7006	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R7010	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R7011	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R7014	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R7015	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7016	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7017	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7018	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7021	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R7022	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R7023	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7024	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7025	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R7026	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R7029	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R7031	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7033	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R7034	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7035	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7037	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7038	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7039	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R7040	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R7041	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7042	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R7043	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R7046	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R7047	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R7048	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R7049	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7053	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7055	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7057	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R7058	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R7059	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	
R7060	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R7061	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	

⚠Ref No.	Part No.	Part Name	Description	Local
R7064	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7065	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R7066	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R7067	NRSA63J-151X	MG RESISTOR	150Ω 1/16W J	
R7068	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R7069	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7070	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7071	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7072	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7073	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7074	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7075	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7077	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7080	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7081	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7082	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7085	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R7086	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R7087	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R7088	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R7089	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R7090	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R7091	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	
R7092	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	
R7093	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R7094	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R7095	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R7096	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R7097	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R7098	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R7099	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R7100	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7101	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	
R7106	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7107	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R7108	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R7109	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R7110	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R7111	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R7112	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R7115	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R7117	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R7118	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R7119	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R7120	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R7122	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7123	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R7124	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R7132	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R7133	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7134	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R7135	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R7136	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7137	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7140	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R7143	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7144	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7145	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7146	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7148	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R7149	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R7150	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R7153	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R7159	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7160	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7214	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R7215	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R7216	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7401	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R7601	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R7602	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R7603	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R7604	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7605	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7606	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7607	NCB31AK-224X	C CAPACITOR	0.22uF 10V K	
R7608	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R7609	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R7610	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7611	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7612	NCB31AK-224X	C CAPACITOR	0.22uF 10V K	
R7613	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R7614	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R7615	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7656	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7657	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7658	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	

⚠Ref No.	Part No.	Part Name	Description	Local
R7659	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	
R7660	NRSA63J-105X	MG RESISTOR	1MΩ 1/16W J	
R7661	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R7664	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R7666	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7680	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7681	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7685	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R7686	NRSA63J-105X	MG RESISTOR	1MΩ 1/16W J	
R7688	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7689	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7690	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7691	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	
R9001	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R9002	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
R9003	NRSA63D-203X	MG RESISTOR	20kΩ 1/16W D	
R9004	NRSA63D-124X	MG RESISTOR	120kΩ 1/16W D	
R9005	NRSA63D-103X	MG RESISTOR	10kΩ 1/16W D	
R9006	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R9007	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
R9101	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R9102	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
R9103	NRSA63D-203X	MG RESISTOR	20kΩ 1/16W D	
R9104	NRSA63D-223X	MG RESISTOR	22kΩ 1/16W D	
R9105	NRSA63D-103X	MG RESISTOR	10kΩ 1/16W D	
R9106	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R9107	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
R9108	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
R9201	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R9202	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
R9204	NRSA63D-272X	MG RESISTOR	2.7kΩ 1/16W D	
R9205	NRSA63D-103X	MG RESISTOR	10kΩ 1/16W D	
R9206	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R9207	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
R9208	NRSA63J-105X	MG RESISTOR	1MΩ 1/16W J	
RA1001	NRZ0034-103W	NET RESISTOR	10kΩ 1/32W J	
RA1002	NRZ0034-103W	NET RESISTOR	10kΩ 1/32W J	
RA1003	NRZ0034-103W	NET RESISTOR	10kΩ 1/32W J	
RA3002	NRZ0034-103W	NET RESISTOR	10kΩ 1/32W J	
RA3004	NRZ0034-103W	NET RESISTOR	10kΩ 1/32W J	
RA3013	NRZ0034-220W	NET RESISTOR	22Ω 1/32W J	
RA3014	NRZ0034-220W	NET RESISTOR	22Ω 1/32W J	
RA3015	NRZ0034-220W	NET RESISTOR	22Ω 1/32W J	
RA3016	NRZ0034-220W	NET RESISTOR	22Ω 1/32W J	
RA3018	NRZ0080-510X	NET RESISTOR	51Ω 1/16W J	
RA3020	NRZ0080-510X	NET RESISTOR	51Ω 1/16W J	
RA3022	NRZ0080-510X	NET RESISTOR	51Ω 1/16W J	
RA3023	NRZ0040-510X	NET RESISTOR	51Ω 1/16W J x4	
RA3024	NRZ0040-510X	NET RESISTOR	51Ω 1/16W J x4	
RA3025	NRZ0040-510X	NET RESISTOR	51Ω 1/16W J x4	
RA3026	NRZ0040-510X	NET RESISTOR	51Ω 1/16W J x4	
RA3028	NRZ0080-510X	NET RESISTOR	51Ω 1/16W J	
RA3030	NRZ0080-510X	NET RESISTOR	51Ω 1/16W J	
RA3032	NRZ0080-510X	NET RESISTOR	51Ω 1/16W J	
RA3502	NRZ0080-510X	NET RESISTOR	51Ω 1/16W J	
RA3506	NRZ0040-510X	NET RESISTOR	51Ω 1/16W J x4	
RA3508	NRZ0080-510X	NET RESISTOR	51Ω 1/16W J	
RA3512	NRZ0080-510X	NET RESISTOR	51Ω 1/16W J	
RA3516	NRZ0040-510X	NET RESISTOR	51Ω 1/16W J x4	
RA3518	NRZ0040-510X	NET RESISTOR	51Ω 1/16W J x4	
RA3521	NRZ0080-510X	NET RESISTOR	51Ω 1/16W J	
RA3523	NRZ0040-510X	NET RESISTOR	51Ω 1/16W J x4	
RA3526	NRZ0080-510X	NET RESISTOR	51Ω 1/16W J	
RA3530	NRZ0040-510X	NET RESISTOR	51Ω 1/16W J x4	
RA3531	NRZ0080-510X	NET RESISTOR	51Ω 1/16W J	
RA3536	NRZ0080-510X	NET RESISTOR	51Ω 1/16W J	
RA3540	NRZ0040-510X	NET RESISTOR	51Ω 1/16W J x4	
RA3542	NRZ0040-510X	NET RESISTOR	51Ω 1/16W J x4	
RA3545	NRZ0080-510X	NET RESISTOR	51Ω 1/16W J	
RA3547	NRZ0040-510X	NET RESISTOR	51Ω 1/16W J x4	
RA4007	NRZ0034-0R0W	NET RESISTOR	0Ω 1/32W J	
RA4008	NRZ0034-0R0W	NET RESISTOR	0Ω 1/32W J	
RA4009	NRZ0034-0R0W	NET RESISTOR	0Ω 1/32W J	
RA4010	NRZ0034-0R0W	NET RESISTOR	0Ω 1/32W J	
RA4011	NRZ0034-0R0W	NET RESISTOR	0Ω 1/32W J	
RA4012	NRZ0034-0R0W	NET RESISTOR	0Ω 1/32W J	
RA6513	NRZ0034-0R0W	NET RESISTOR	0Ω 1/32W J	
RA6514	NRZ0034-0R0W	NET RESISTOR	0Ω 1/32W J	
RA6516	NRZ0034-0R0W	NET RESISTOR	0Ω 1/32W J	
RA7601	NRZ0034-0R0W	NET RESISTOR	0Ω 1/32W J	
RA7602	NRZ0034-0R0W	NET RESISTOR	0Ω 1/32W J	
RA7603	NRZ0034-0R0W	NET RESISTOR	0Ω 1/32W J	
RA7604	NRZ0034-0R0W	NET RESISTOR	0Ω 1/32W J	
RA7605	NRZ0034-0R0W	NET RESISTOR	0Ω 1/32W J	
RB7605	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
RB7614	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
RB7615	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	

⚠Ref No.	Part No.	Part Name	Description	Local
L0101	NQL092K-2R2X	COIL	2.2uH K	
L0201	NQL092K-2R2X	COIL	2.2uH K	
L0301	NQL092K-2R2X	COIL	2.2uH K	
L0401	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
L1001	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
L1002	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
L1003	NQL092K-1R5X	CHIP P COIL	1.5uH K	
L1004	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
L1005	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
L1006	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
L1008	NQL79GM-220X	COIL	22uH M	
L1010	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
L1011	NQL79GM-470X	COIL	47uH M	
L1101	NQL092K-6R8X	COIL	6.8uH K	
L1102	NQR0489-002X	FERRITE BEADS		
L1103	NQL092K-1R0X	COIL	1uH K	
L1201	NQL092K-6R8X	COIL	6.8uH K	
L1203	NQL092K-1R0X	COIL	1uH K	
L1301	NQL092K-6R8X	COIL	6.8uH K	
L1303	NQL092K-1R0X	COIL	1uH K	
L1401	NQL092K-6R8X	COIL	6.8uH K	
L1403	NQL092K-1R0X	COIL	1uH K	
L1501	NQL092K-4R7X	COIL	4.7uH K	
L3001	NQR0489-002X	FERRITE BEADS		
L3005	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
L3006	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
L3007	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
L3008	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
L3009	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
L3010	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
L3011	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
L3012	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
L3501	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
L4001	NQR0413-003X	FERRITE BEADS		
L4002	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
L4003	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
L6501	NQR0351-001X	FERRITE BEADS		
L6508	NRZ0034-0R0W	NET RESISTOR	0Ω 1/32W J	
L6509	NRZ0034-0R0W	NET RESISTOR	0Ω 1/32W J	
L6510	NRZ0034-0R0W	NET RESISTOR	0Ω 1/32W J	
L7001	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
L7002	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
L7003	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
L7004	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
L7005	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
L7006	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
L9001	NQL71EM-150X	COIL	15uH M	
L9101	NQL71EM-150X	COIL	15uH M	
L9201	NQL71EM-150X	COIL	15uH M	
J7001	QNS0001-001	3.5 JACK	AV COMPULINK	
K1001	NQR0489-002X	FERRITE BEADS		
K1002	NQR0489-002X	FERRITE BEADS		
K1003	NQR0489-002X	FERRITE BEADS		
K1004	NQR0489-002X	FERRITE BEADS		
K2104	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
K2107	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
K3003	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
K3006	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
K3009	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
K6001	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
K6002	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
K6003	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
K6004	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
K6005	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
K6006	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
K6007	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
K6008	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
K6009	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
K6010	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
K6011	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
K6012	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
K6013	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
K6014	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
K6015	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
K6016	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
K6017	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
K6018	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
K6019	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
K6020	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
K6021	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
K7002	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
LC0102	NQR0483-005X	EMI FILTER	100uF 25V Z	
LC0519	NQR0416-001X	EMI FILTER	240pF 16V M	
SL7001	NAX0613-001X	C RESONATOR		
X1001	NAX0642-001X	CRYSTAL		

⚠Ref No.	Part No.	Part Name	Description	Local
X3001	NAX0635-001X	CXO		
X3002	NAX0667-001X	CXO		
X4001	NAX0669-001X	C RESONATOR		
X7601	NAX0613-001X	C RESONATOR		

INTERFACE P.W. BOARD ASS'Y (SFP-7506A-M2)

⚠Ref No.	Part No.	Part Name	Description	Local
IC103	BA05FP-X	IC		
IC801	BA033FP-X	IC		
IC802	BA033FP-X	IC		
IC805	AT24C16-42V485	IC	(SERVICE)	
IC807	HD6433685A80H	IC(MCU)	or HD64F3687A80H	
IC809	S-80840CLNB-W	IC		
Q101	2SC3928A/QR/-X	TRANSISTOR		
Q803	2SA1530A/QR/-X	TRANSISTOR		
Q805	2SK2090-X	MOS FET		
Q806	2SK2090-X	MOS FET		
Q807	2SA1530A/QR/-X	TRANSISTOR		
Q813	2SK2090-X	MOS FET		
Q814	2SK2090-X	MOS FET		
Q815	2SC3928A/QR/-X	TRANSISTOR		
D803	MA111-X	SI DIODE		
D804	MA8056/M/-X	Z DIODE		
D903	MA111-X	SI DIODE		
C114	NEH71AM-107X	E CAPACITOR	100uF 10V M	
C117	NEH70JM-107X	E CAPACITOR	100uF 6.3V M	
C802	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C803	NEH70JM-226X	E CAPACITOR	22uF 6.3V M	
C804	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C809	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C810	NEH70JM-107X	E CAPACITOR	100uF 6.3V M	
C814	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C815	NEH70JM-226X	E CAPACITOR	22uF 6.3V M	
C816	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C818	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C819	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C820	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C821	NEH71CM-106X	E CAPACITOR	10uF 16V M	
C823	NDC31HJ-102X	C CAPACITOR	1000pF 50V J	
C825	NDC31HJ-220X	C CAPACITOR	22pF 50V J	
C826	NDC31HJ-220X	C CAPACITOR	22pF 50V J	
C828	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C829	NEH70JM-226X	E CAPACITOR	22uF 6.3V M	
C832	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
R104	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
R105	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R106	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R402	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R801	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R802	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R803	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R804	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R806	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R807	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R808	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R809	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R810	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R811	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R812	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R813	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R814	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R815	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R816	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R817	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R821	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R823	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R825	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R826	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R837	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R838	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R839	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R844	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R845	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R846	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R847	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R848	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R849	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R850	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	

⚠Ref No.	Part No.	Part Name	Description	Local
R853	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	
R854	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R855	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R856	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R857	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R858	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R859	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R861	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R863	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R866	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R867	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R868	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R869	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R870	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R871	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R872	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R876	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R877	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R878	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R879	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R880	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R881	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R882	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R884	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R885	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	
R886	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R887	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R890	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	
R891	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	
R892	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R893	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	
R894	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R895	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R896	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R897	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R898	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R903	NRSA63J-182X	MG RESISTOR	1.8kΩ 1/16W J	
R904	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R906	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R908	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R910	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J	
R911	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R912	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R923	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R927	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R931	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R933	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R934	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R939	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R940	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R945	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R946	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R947	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R948	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R949	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R951	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R952	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R969	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R970	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R971	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R972	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R973	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R974	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R975	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R976	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R978	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J	
R979	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R980	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J	
R981	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
L801	NQR0351-001X	FERRITE BEADS		
L802	NQR0351-001X	FERRITE BEADS		
K801	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
K803	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
K804	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
K805	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
X802	NAX0613-001X	C RESONATOR		

AUDIO P.W. BOARD ASS'Y (SFP-6004A-M2)

REFER TO PARTS LIST IN PAGE 3-21 FOR THIS P.W. BOARD.

FRONT CONTROL P.W. BOARD ASS'Y (SFP-8502A-M2)

REFER TO PARTS LIST IN PAGE 3-23 FOR THIS P.W. BOARD.

FRONT LED P.W. BOARD ASS'Y (SFP-8502A-M2)

REFER TO PARTS LIST IN PAGE 3-23 FOR THIS P.W. BOARD.

TEMP. SENSOR P.W. BOARD ASS'Y (SFP-8502A-M2)

REFER TO PARTS LIST IN PAGE 3-23 FOR THIS P.W. BOARD.

REGULATOR P.W. BOARD ASS'Y (SFP-9203A-M2)

REFER TO PARTS LIST IN PAGE 3-23 FOR THIS P.W. BOARD.

LINE FILTER P.W. BOARD ASS'Y (SFP-9510A-M2)

REFER TO PARTS LIST IN PAGE 3-23 FOR THIS P.W. BOARD.

MAIN POWER P.W. BOARD ASS'Y (SFP-9504A-M2)

REFER TO PARTS LIST IN PAGE 3-24 FOR THIS P.W. BOARD.

SUB POWER P.W. BOARD ASS'Y (SFP-9506A-M2)

REFER TO PARTS LIST IN PAGE 3-26 FOR THIS P.W. BOARD.

X-MAIN P.W. BOARD ASS'Y (LJ92-00943A)

REFER TO PARTS LIST IN PAGE 3-26 FOR THIS P.W. BOARD.

Y-MAIN P.W. BOARD ASS'Y(LJ92-00944B)

REFER TO PARTS LIST IN PAGE 3-26 FOR THIS P.W. BOARD.

E-BUFFER P.W. BOARD ASS'Y (LJ92-00811A)

REFER TO PARTS LIST IN PAGE 3-26 FOR THIS P.W. BOARD.

F-BUFFER P.W. BOARD ASS'Y (LJ92-00812A)

REFER TO PARTS LIST IN PAGE 3-26 FOR THIS P.W. BOARD.

G-BUFFER P.W. BOARD ASS'Y (LJ92-00813A)

REFER TO PARTS LIST IN PAGE 3-26 FOR THIS P.W. BOARD.

LOGIC-MAIN P.W. BOARD ASS'Y (LJ92-00975A)

REFER TO PARTS LIST IN PAGE 3-27 FOR THIS P.W. BOARD.

Y-BUFFER-U P.W. BOARD ASS'Y (LJ9200796A)

REFER TO PARTS LIST IN PAGE 3-27 FOR THIS P.W. BOARD.

Y-BUFFER-L P.W. BOARD ASS'Y (LJ9200797A)

REFER TO PARTS LIST IN PAGE 3-27 FOR THIS P.W. BOARD.

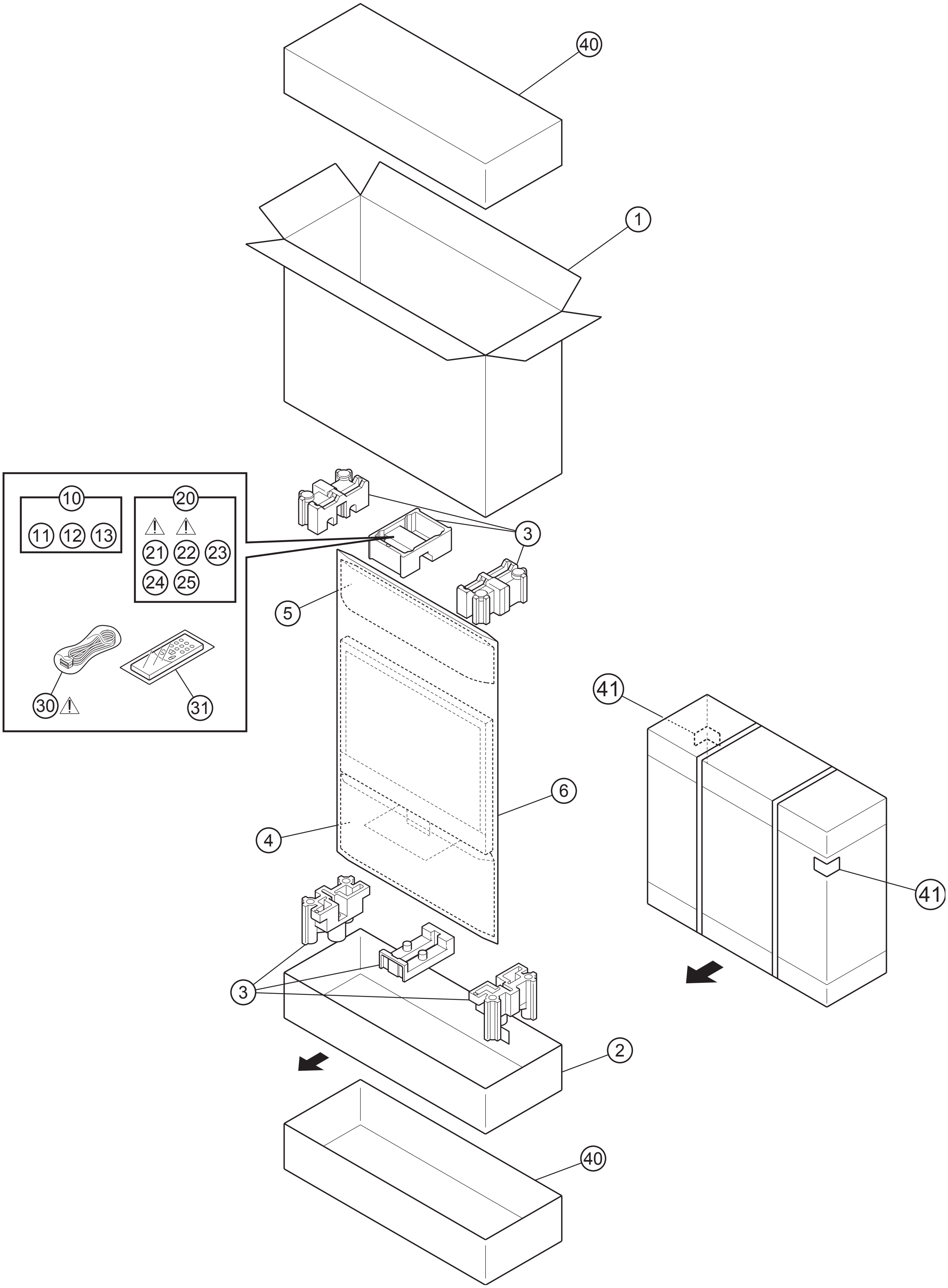
REMOTE CONTROL UNIT PARTS LIST (RM-C257G-1H)

⚠	Ref No.	Part No.	Part Name	Description	Local
		UR77EC0603	BATTERY COVER		

PACKING PARTS LIST

⚠	Ref.No.	Part No.	Part Name	Description	Local
	1	LC21674-001A-A	PACKING CASE	TOP	
	2	LC21673-001A-A	PACKING CASE	BOTTOM	
	3	LC12002-001A-A	CUSHION ASS'Y	6pcs in 1set	
	4	LC41035-005A	POLY BAG		
⚠	5	LC41035-003A	POLY BAG		
	6	LC30236-005A	POLY BAG		
	10	QPA01203005	POLY BAG	12cm x 30cm	
	11	------------	BATTERY	AA/R6 (x2)	
	12	QPA01002203	POLY BAG	10cm x 22cm	
	13	QQR1193-001	CORE FILTER	For POWER CORD	
	20	QPA02503505P	POLY BAG	25cm x 35cm	
⚠	21	LCT1659-001A-A	INST BOOK	English	
⚠	22	LCT1660-001A-A	INST BOOK	French	
	23	LCT1661-001A-A	CAUTION BOOK	English/French	
	24	BT-51034-2Q	REGIST. CARD		
	25	BT-52006-2Q	WARRANTY CARD		
⚠	30	QMPE280-180-JW	POWER CORD(US/CA)	1.8m BLACK	
	31	RM-C1257G-1H	REMOCON UNIT	Inc.POLY BAG	
	40	LC21714-001A-A	TOP BOTTOM PAD	(x2)	
	41	CM36616-001-A	CORNER LABEL		

PACKING



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JVC

SCHEMATIC DIAGRAMS

PDP COLOR TELEVISION

PD-42V475/S
PD-42V485/S

CD-ROM No. SML200408

BASIC CHASSIS
FP2

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No.YA099
2004/7

PD-42V475/S, PD-42V485/S
STANDARD CIRCUIT DIAGRAM

■ NOTE ON USING CIRCUIT DIAGRAMS

1. SAFETY

The components identified by the ⚠ symbol and shading are critical for safety. For continued safety replace safety critical components only with manufactures recommended parts.

2. SPECIFIED VOLTAGE AND WAVEFORM VALUES

The voltage and waveform values have been measured under the following conditions.

(1) Input signal : Colour bar signal
(2) Setting positions of each knob/button and variable resistor : Original setting position when shipped
(3) Internal resistance of tester : DC 20kΩ/V
(4) Oscilloscope sweeping time : H ⇒ 20μs/div
: V ⇒ 5ms/div
: Others ⇒ Sweeping time is specified
(5) Voltage values : All DC voltage values

∗Since the voltage values of signal circuit vary to some extent according to adjustments, use them as reference values.

3. INDICATION OF PARTS SYMBOL [EXAMPLE]

- In the PW board : R1209 → R209

4. INDICATIONS ON THE CIRCUIT DIAGRAM

(1) Resistors

- Resistance value
  No unit : [Ω]
  k : [kΩ]
  M : [MΩ]
- Rated allowable power
  No indication : 1/16 [W]
  Others : As specified
- Type
  No indication : Carbon resistor
  OMR : Oxide metal film resistor
  MFR : Metal film resistor
  MPR : Metal plate resistor
  UNFR : Uninflammable resistor
  FR : Fusible resistor

∗Composition resistor 1/2 [W] is specified as 1/2S or Comp.

(2) Capacitors

- Capacitance value
  1 or higher : [pF]
  less than 1 : [μF]
- Withstand voltage
  No indication : DC50[V]
  AC indicated : AC withstand voltage [V]
  Others : DC withstand voltage [V]

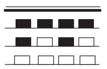
∗Electrolytic Capacitors
47/50[Example] : Capacitance value [μF]/withstand voltage[V]

- Type
  No indication : Ceramic capacitor
  MY : Mylar capacitor
  MM : Metalized mylar capacitor
  PP : Polypropylene capacitor
  MPP : Metalized polypropylene capacitor
  MF : Metalized film capacitor
  TF : Thin film capacitor
  BP : Bipolar electrolytic capacitor
  TAN : Tantalum capacitor

(3) Coils

No unit : [μH]
Others : As specified

(4) Power Supply



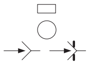
: B1
: B2(12V)
: 9V
: 5V

∗Respective voltage values are indicated

(5) Test point

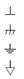
: Test point
: Only test point display

(6) Connecting method



: Connector
: Wrapping or soldering
: Receptacle

(7) Ground symbol



: LIVE side ground
: ISOLATED(NEUTRAL) side ground
: EARTH ground
: DIGITAL ground

5. NOTE FOR REPAIRING SERVICE

This model's power circuit is partly different in the GND. The difference of the GND is shown by the LIVE : (⊥) side GND and the ISOLATED (NEUTRAL) : (⏊) side GND. Therefore, care must be taken for the following points.

(1) Do not touch the LIVE side GND or the LIVE side GND and the ISOLATED (NEUTRAL) side GND simultaneously. If the above caution is not respected, an electric shock may be caused. Therefore, make sure that the power cord is surely removed from the receptacle when, for example, the chassis is pulled out.

(2) Do not short between the LIVE side GND and ISOLATED (NEUTRAL) side GND or never measure the LIVE side GND and ISOLATED (NEUTRAL) side GND at the same time with a measuring apparatus (oscilloscope, etc.). If the above precaution is not respected, a fuse or any parts will be broken.

◆ **Since the circuit diagram is a standard one, the circuit and circuit constants may be subject to change for improvement without any notice.**

NOTE

◆ **Due improvement in performance, some part numbers show in the circuit diagram may not agree with those indicated in the part list.**
When ordering parts, please use the numbers that appear in the Parts List.

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  FRONT CONTROL PWB PATTERN 2-79
  TEMP. SENSOR PWB PATTERN 2-80
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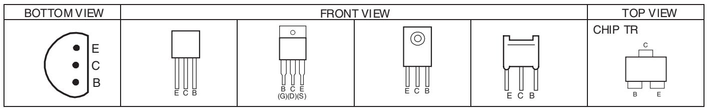
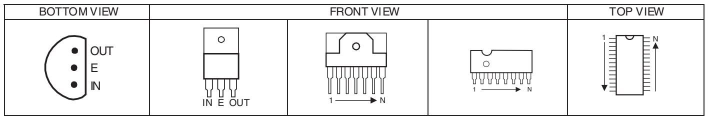
USING P.W. BOARD

PWB ASS'Y NAME	PD-42V475/S	PD-42V485/S
RECEIVER P.W. BOARD	SFP0F502A-M2	←
ANALOG SIGNAL P.W. BOARD	SFP0A503A-M2	←
AV JACK P.W. BOARD	SFP0J502A-M2	←
DIGITAL SIGNAL P.W. BOARD	SFP0D503A-M2	SFP0D504A-M2
INTERFACE P.W. BOARD	SFP-7505A-M2	SFP-7506A-M2
AUDIO P.W. BOARD	SFP-6004A-M2	←
FRONT CONTROL P.W. BORAD	SFP-8502A-M2	←
FRONT LED P.W. BOARD	SFP-8504A-M2	←
TEMP. SENSOR P.W. BOARD	SFP0T201A-M2	←
REGULATOR P.W. BOARD	SFP-9203A-M2	←
LINE FILTER P.W. BOARD	SFP-9510A-M2	←
MAIN POWER P.W. BOARD	SFP-9504A-M2	←
SUB POWER P.W. BOARD	SFP-9506A-M2	←

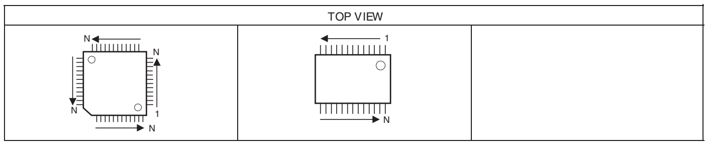
SEMICONDUCTOR SHAPES


BOTTOM VIEW
FRONT VIEW
TOP VIEW
E
C
B
E C B
B C E
(G)(D)(S)
E C B
E C B
CHIP TR
C
B
E

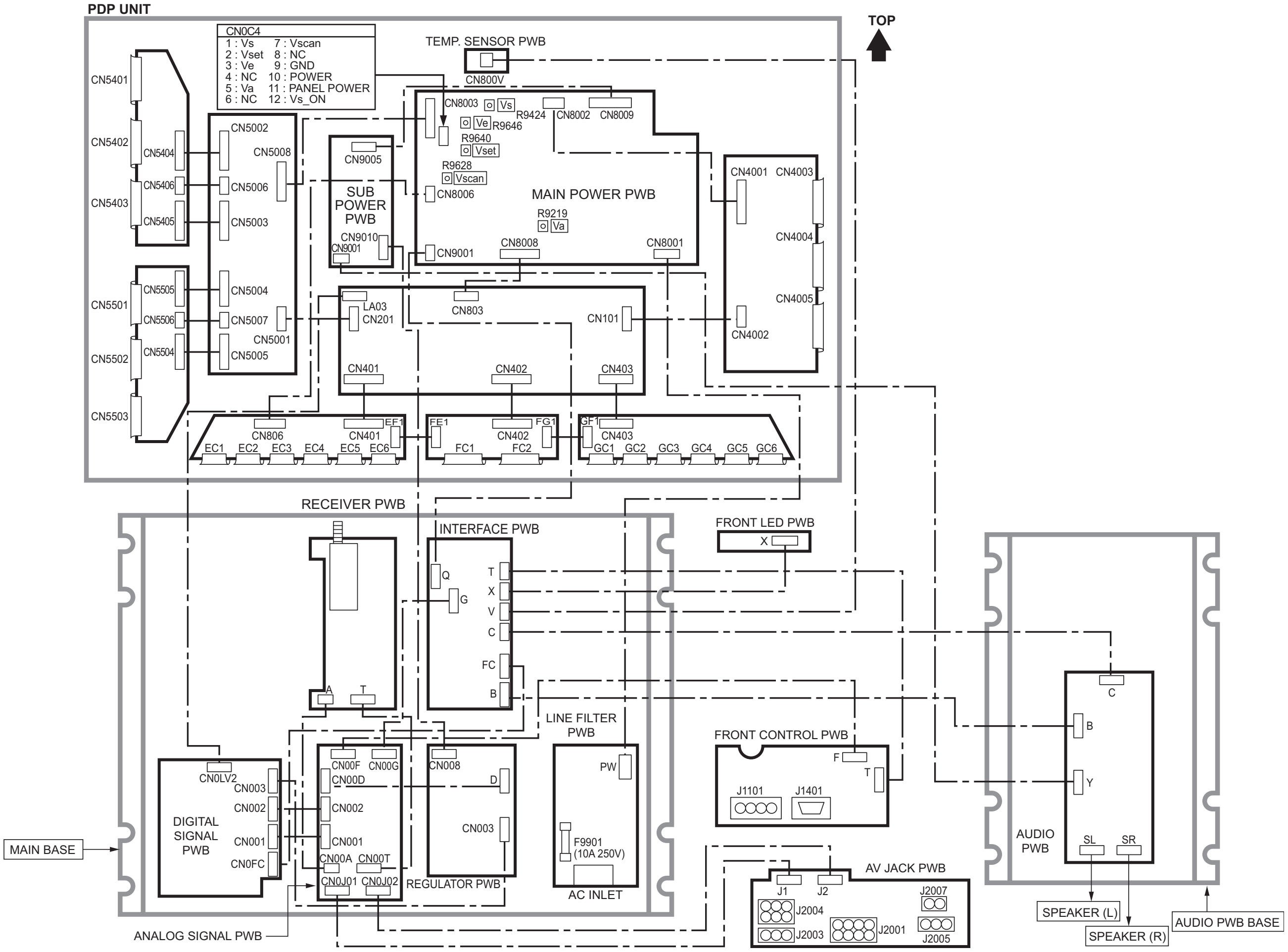
IC


BOTTOM VIEW
FRONT VIEW
TOP VIEW
OUT
E
IN
IN E OUT
1
N
1
N
1
N

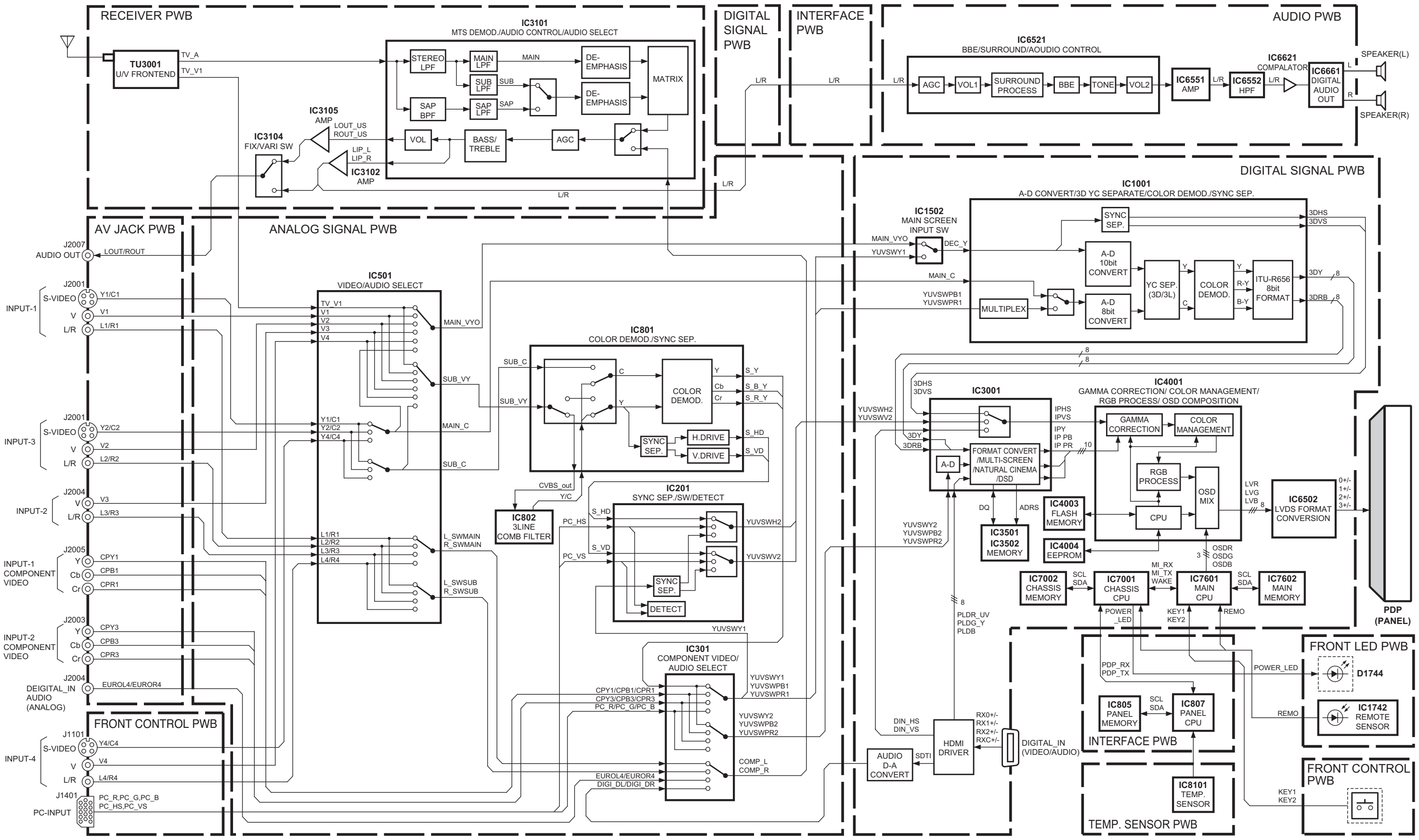
CHIP IC


TOP VIEW
N
N
N
1
N
1
N

WIRING & MAIN PARTS LOCATION

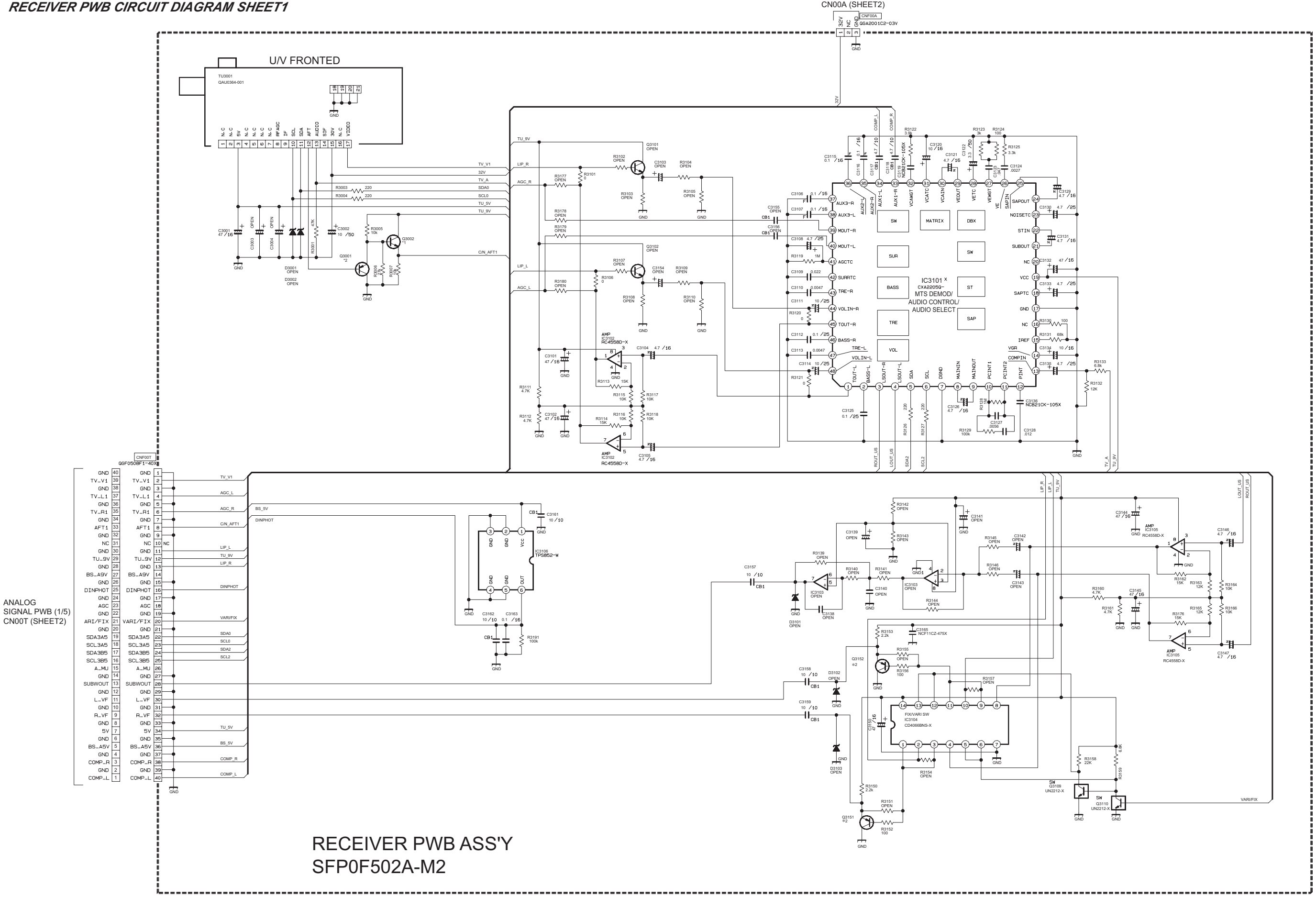

PDP UNIT
TOP
CN0C4
1 : Vs
2 : Vset
3 : Ve
4 : NC
5 : Va
6 : NC
7 : Vscan
8 : NC
9 : GND
10 : POWER
11 : PANEL POWER
12 : Vs_ON
TEMP. SENSOR PWB
CN800V
CN5401
CN5402
CN5403
CN5404
CN5406
CN5405
CN5002
CN5008
CN5006
CN5003
CN5004
CN5007
CN5001
CN5005
CN5501
CN5502
CN5503
CN5505
CN5506
CN5504
CN9005
SUB POWER PWB
CN9010
CN9001
CN8003
Vs
R9424
CN8002
CN8009
Ve
R9646
R9640
Vset
R9628
Vscan
CN8006
MAIN POWER PWB
R9219
Va
CN9001
CN8008
CN8001
CN4001
CN4003
CN4004
CN4005
CN4002
LA03
CN201
CN803
CN101
CN401
CN402
CN403
CN806
CN401
EF1
FE1
CN402
FG1
GF1
CN403
EC1
EC2
EC3
EC4
EC5
EC6
FC1
FC2
GC1
GC2
GC3
GC4
GC5
GC6
RECEIVER PWB
INTERFACE PWB
Q
G
T
X
V
C
FC
B
A
T
FRONT LED PWB
X
LINE FILTER PWB
PW
F9901
(10A 250V)
AC INLET
FRONT CONTROL PWB
F
T
J1101
J1401
CN0LV2
CN003
CN002
CN001
CN0FC
DIGITAL SIGNAL PWB
CN00F
CN00G
CN00D
CN002
CN001
CN00A
CN00T
CN0J01
CN0J02
CN008
D
CN003
REGULATOR PWB
MAIN BASE
ANALOG SIGNAL PWB
AV JACK PWB
J1
J2
J2007
J2004
J2003
J2001
J2005
AUDIO PWB
C
B
Y
SL
SR
SPEAKER (L)
SPEAKER (R)
AUDIO PWB BASE

BLOCK DIAGRAM


RECEIVER PWB
TU3001
U/V FRONTEND
TV_A
TV_V1
IC3101
MTS DEMOD./AUDIO CONTROL/AUDIO SELECT
STEREO LPF
MAIN LPF
SUB LPF
SAP BPF
SAP LPF
MAIN
SUB
SAP
DE-EMPHASIS
MATRIX
AGC
BASS/TREBLE
VOL
IC3105
AMP
LOUT_US
ROUT_US
IC3104
FIX/VARI SW
LIP_L
LIP_R
IC3102
AMP
L/R
DIGITAL SIGNAL PWB
INTERFACE PWB
AUDIO PWB
IC6521
BBE/SURROUND/AOUDIO CONTROL
AGC
VOL1
SURROUND PROCESS
BBE
TONE
VOL2
IC6551
AMP
IC6552
HPF
IC6621
COMPALATOR
IC6661
DIGITAL AUDIO OUT
SPEAKER(L)
SPEAKER(R)
AV JACK PWB
ANALOG SIGNAL PWB
J2007
AUDIO OUT
LOUT/ROUT
J2001
INPUT-1
S-VIDEO
V
L/R
Y1/C1
V1
L1/R1
J2001
INPUT-3
Y2/C2
V2
L2/R2
J2004
INPUT-2
V3
L3/R3
J2005
INPUT-1 COMPONENT VIDEO
CPY1
CPB1
CPR1
J2003
INPUT-2 COMPONENT VIDEO
CPY3
CPB3
CPR3
J2004
DEIGITAL_IN AUDIO (ANALOG)
EUROL4/EUROR4
FRONT CONTROL PWB
J1101
INPUT-4
Y4/C4
V4
L4/R4
J1401
PC-INPUT
PC_R,PC_G,PC_B
PC_HS,PC_VS
IC501
VIDEO/AUDIO SELECT
TV_V1
V1
V2
V3
V4
Y1/C1
Y2/C2
Y4/C4
L1/R1
L2/R2
L3/R3
L4/R4
MAIN_VYO
SUB_VY
MAIN_C
SUB_C
L_SWMAIN
R_SWMAIN
L_SWSUB
R_SWSUB
IC801
COLOR DEMOD./SYNC SEP.
COLOR DEMOD.
SYNC SEP.
H.DRIVE
V.DRIVE
S_Y
S_B_Y
S_R_Y
S_HD
S_VD
CVBS_out
Y/C
IC802
3LINE COMB FILTER
IC201
SYNC SEP./SW/DETECT
PC_HS
PC_VS
S_HD
S_VD
SYNC SEP.
DETECT
YUVSWH2
YUVSWV2
YUVSWY1
IC301
COMPONENT VIDEO/AUDIO SELECT
CPY1/CPB1/CPR1
CPY3/CPB3/CPR3
PC_R/PC_G/PC_B
EUROL4/EUROR4
DIGI_DL/DIGI_DR
YUVSWY1
YUVSWPB1
YUVSWPR1
YUVSWY2
YUVSWPB2
YUVSWPR2
COMP_L
COMP_R
DIGITAL SIGNAL PWB
IC1001
A-D CONVERT/3D YC SEPARATE/COLOR DEMOD./SYNC SEP.
IC1502
MAIN SCREEN INPUT SW
MAIN_VYO
YUVSWY1
DEC_Y
MAIN_C
YUVSWPB1
YUVSWPR1
MULTIPLEX
SYNC SEP.
A-D 10bit CONVERT
A-D 8bit CONVERT
YC SEP. (3D/3L)
COLOR DEMOD.
ITU-R656 8bit FORMAT
3DHS
3DVS
3DY
3DRB
8
IC3001
3DHS
3DVS
YUVSWH2
YUVSWV2
3DY
3DRB
A-D
FORMAT CONVERT /MULTI-SCREEN /NATURAL CINEMA /DSD
IPHS
IPVS
IPY
IP PB
IP PR
10
DQ
ADRS
IC3501
IC3502
MEMORY
IC4003
FLASH MEMORY
IC4004
EEPROM
IC4001
GAMMA CORRECTION/ COLOR MANAGEMENT/ RGB PROCESS/ OSD COMPOSITION
GAMMA CORRECTION
COLOR MANAGEMENT
RGB PROCESS
OSD MIX
CPU
LVR
LVG
LVB
IC6502
LVDS FORMAT CONVERSION
0+/-
1+/-
2+/-
3+/-
PDP (PANEL)
OSDR
OSDG
OSDB
YUVSWY2
YUVSWPB2
YUVSWPR2
IC7002
CHASSIS MEMORY
SCL
SDA
IC7001
CHASSIS CPU
MI_RX
MI_TX
WAKE
IC7601
MAIN CPU
IC7602
MAIN MEMORY
POWER_LED
KEY1
KEY2
REMO
PLDR_UV
PLDG_Y
PLDB
DIN_HS
DIN_VS
HDMI DRIVER
RX0+/-
RX1+/-
RX2+/-
RXC+/-
DIGITAL_IN (VIDEO/AUDIO)
AUDIO D-A CONVERT
SDTI
PDP_RX
PDP_TX
IC805
PANEL MEMORY
IC807
PANEL CPU
INTERFACE PWB
IC8101
TEMP. SENSOR
TEMP. SENSOR PWB
FRONT LED PWB
D1744
IC1742
REMOTE SENSOR
FRONT CONTROL PWB
KEY1
KEY2

CIRCUIT DIAGRAMS

RECEIVER PWB CIRCUIT DIAGRAM SHEET1

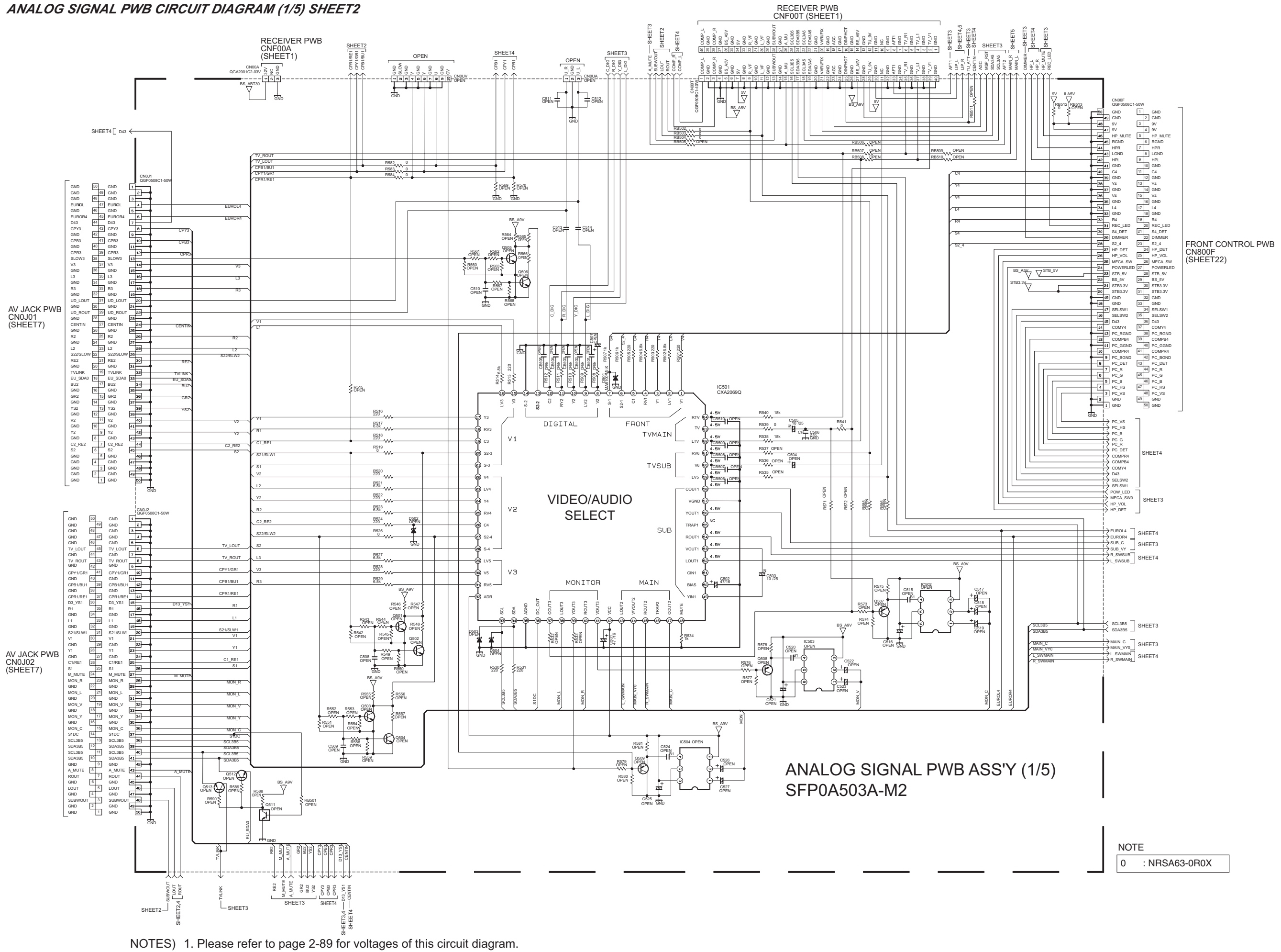

ANALOG SIGNAL PWB (1/5)
CN00A (SHEET2)
CNF00A
QGA2001C2-03V
32V
NC
GND
U/V FRONTED
TU0001
GND
IC3101
CXA2205Q-
MTS DEMOD/
AUDIO CONTROL/
AUDIO SELECT
SW
MATRIX
DBX
SUR
BASS
ST
TRE
SAP
VOL
AMP
IC3102
RC4558D-X
IC3106
TPS852-W
IC3103
OPEN
IC3104
CD4066BKS-X
IC3105
RC4558D-X
Q3101
OPEN
Q3102
OPEN
Q3151
Q3152
Q3109
UN2212-X
Q3110
UN2212-X
CNF007
QGF0508F1-40X
ANALOG
SIGNAL PWB (1/5)
CN00T (SHEET2)
GND
TV_V1
TV_L1
TV_R1
AFT1
NC
TU_9V
BS_A9V
DINPHOT
AGC
VARI/FIX
SDA3A5
SCL3A5
SDA3B5
SCL3B5
A_MU
SUBWOUT
L_VF
R_VF
5V
BS_A5V
COMP_R
COMP_L
RECEIVER PWB ASS'Y
SFP0F502A-M2

NOTE

0 : NRSA63J-0R0X
※1 : 2SC3928A/QR/-X
※2 : 2SA1530A/QR/-X

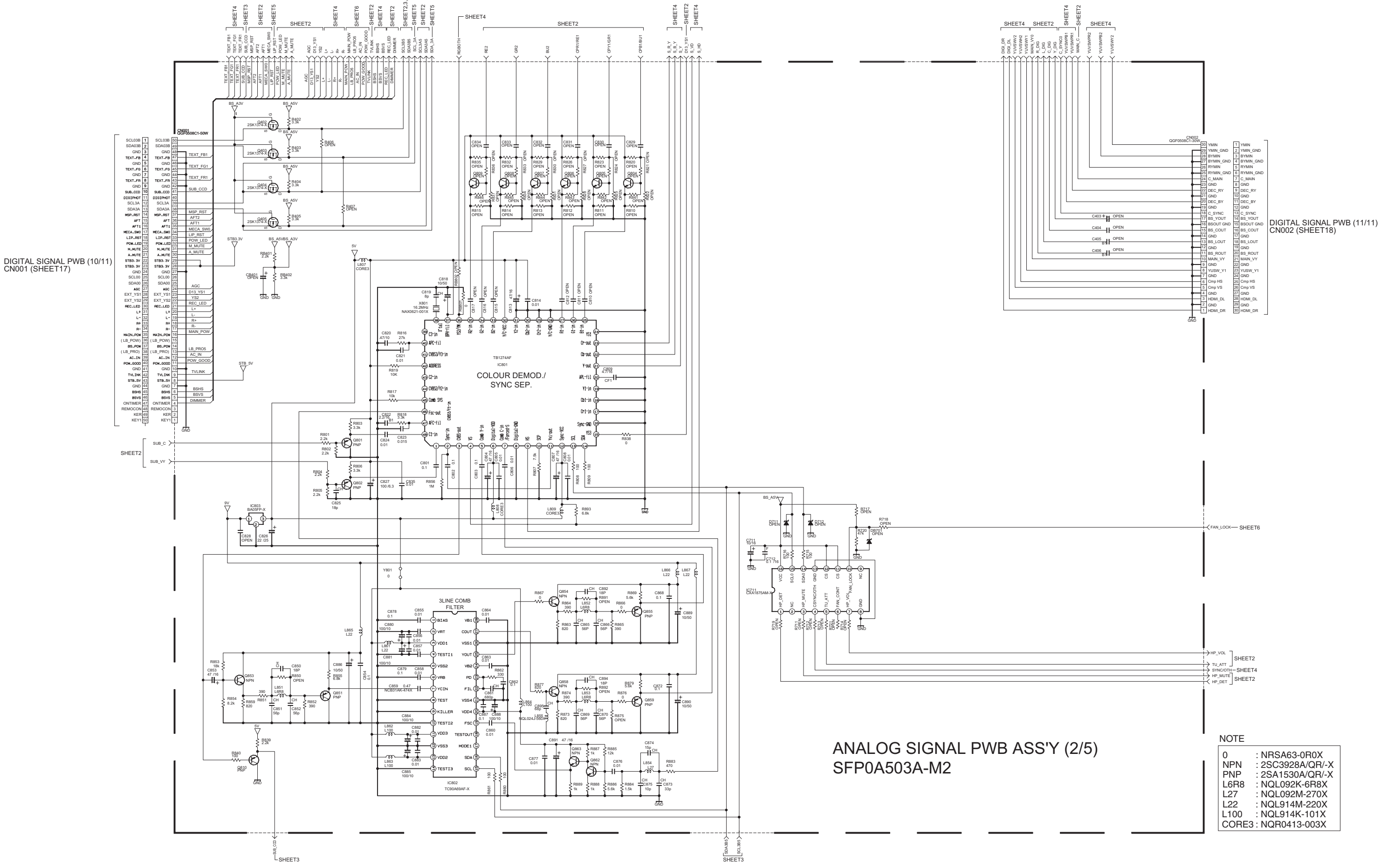
NOTES) 1. Please refer to page 2-89 for voltages of this circuit diagram.
2. Please refer to page 2-92 for waveforms of this circuit diagram.

ANALOG SIGNAL PWB CIRCUIT DIAGRAM (1/5) SHEET2


RECEIVER PWB
CNF00T (SHEET1)
RECEIVER PWB
CNF00A
(SHEET1)
OPEN
SHEET2
SHEET3
SHEET4
SHEET5
AV JACK PWB
CN0J01
(SHEET7)
AV JACK PWB
CN0J02
(SHEET7)
FRONT CONTROL PWB
CN800F
(SHEET22)
IC501
CXA2069Q
VIDEO/AUDIO
SELECT
DIGITAL
FRONT
TVMAIN
TVSUB
MONITOR
MAIN
SUB
V1
V2
V3
ANALOG SIGNAL PWB ASS'Y (1/5)
SFP0A503A-M2
NOTE
0 : NRSA63-0R0X

NOTES) 1. Please refer to page 2-89 for voltages of this circuit diagram.
2. Please refer to page 2-92 for waveforms of this circuit diagram.

ANALOG SIGNAL PWB CIRCUIT DIAGRAM (2/5) SHEET3



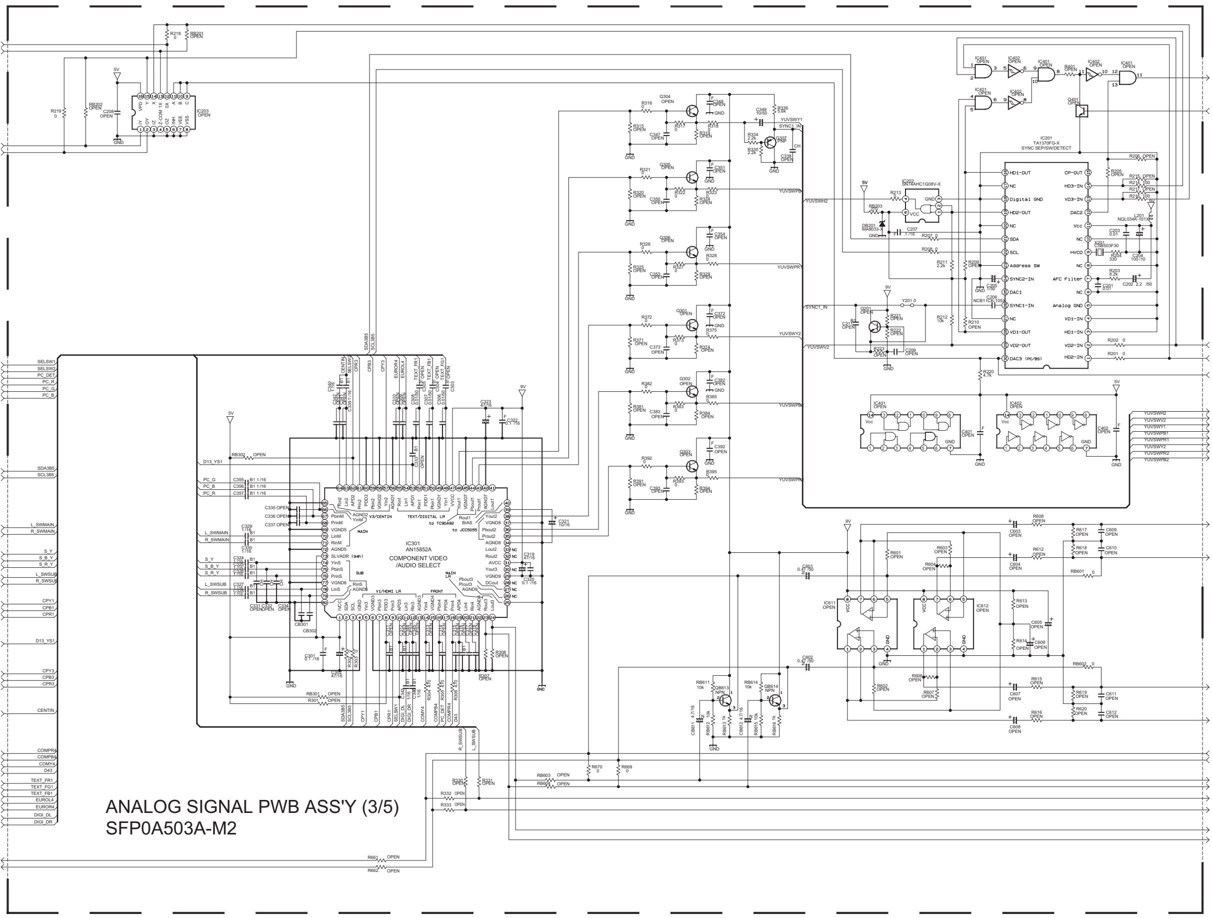
SHEET2
SHEET3
SHEET4
SHEET5
SHEET6
SHEET2,3,4,6
DIGITAL SIGNAL PWB (10/11)
CN001 (SHEET17)
DIGITAL SIGNAL PWB (11/11)
CN002 (SHEET18)
CN002
QGF0508C1-30W
TB1274AF
IC801
COLOUR DEMOD./
SYNC SEP.
X801
16.2MHz
NAX0621-001X
3LINE COMB
FILTER
IC802
TC90A69AF-X
IC803
BA05FP-X
IC711
SUB_C
SUB_VY
FAN_LOCK
HP_VOL
TU_ATT
SYNCOUT
HP_MUTE
HP_DET
GND
ANALOG SIGNAL PWB ASS'Y (2/5)
SFP0A503A-M2

NOTE

0	: NRSA63-0R0X
NPN	: 2SC3928A/QR/-X
PNP	: 2SA1530A/QR/-X
L6R8	: NQL092K-6R8X
L27	: NQL092M-270X
L22	: NQL914M-220X
L100	: NQL914K-101X
CORE3	: NQR0413-003X

NOTES) 1. Please refer to page 2-89 for voltages of this circuit diagram.
2. Please refer to page 2-92 for waveforms of this circuit diagram.

ANALOG SIGNAL PWB CIRCUIT DIAGRAM (3/5) SHEET4


ANALOG SIGNAL PWB ASS'Y (3/5)
SFP0A503A-M2
IC301
AN15852A
COMPONENT VIDEO
/AUDIO SELECT
IC201
TA1370FG-X
SYNC SEP/SW/DETECT
IC611
IC612
SHEET2
SHEET3
SHEET2,5
SHEET5
C_SYNC0
SYNC/OTH
S_VD
S_HD
RGBOTH
L-
L+
R+
R-
LIP_L
LIP_R
MAIN_L
MAIN_R
HP_L
HP_R
COMP_L
COMP_R
LOUT
ROUT
YUVSWY1
YUVSWH2
YUVSWY2
YUVSWV2
GND
5V
9V

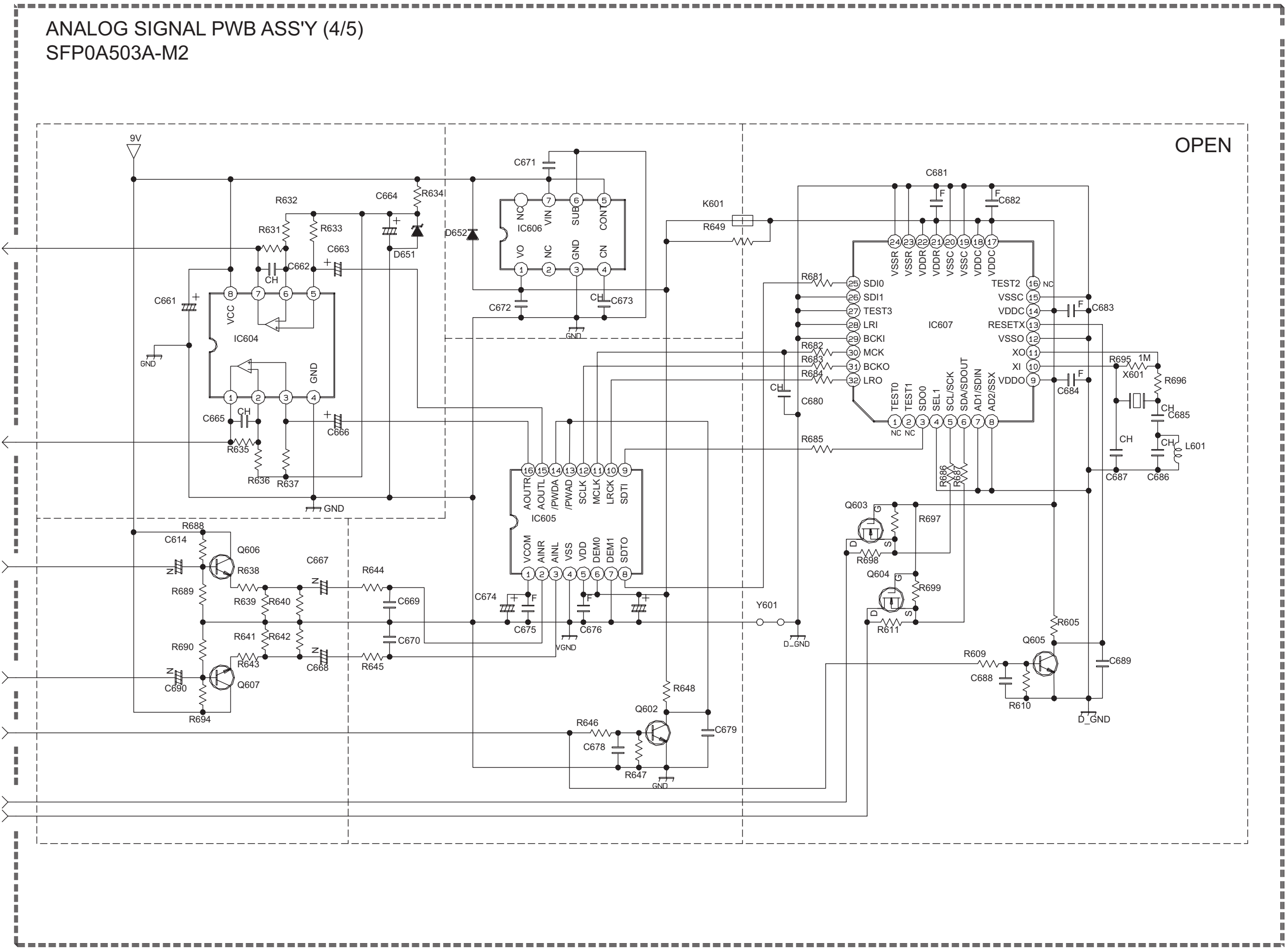
NOTE

0	:	NRSA63-0R0X
NPN	:	2SC3928A/QR/-X
PNP	:	2SA1530A/QR/-X

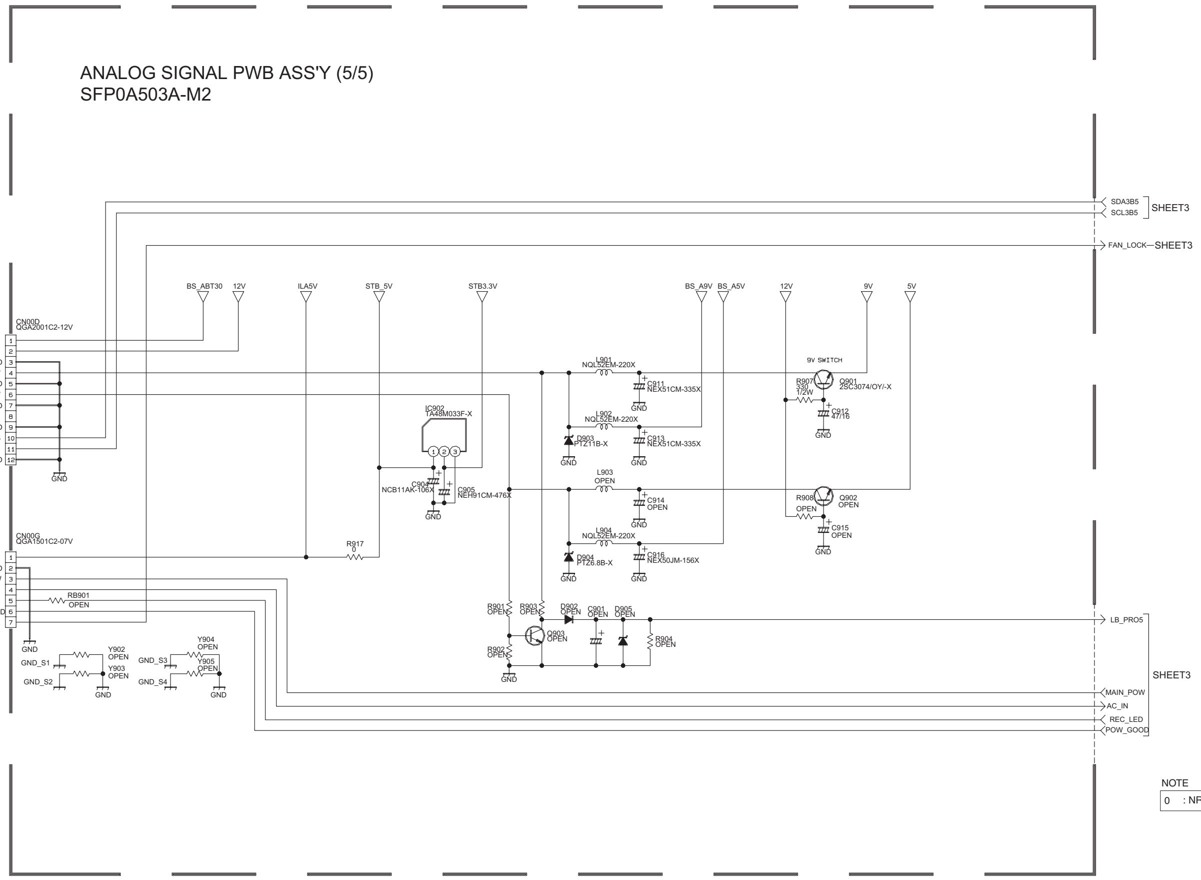
NOTES) 1. Please refer to page 2-89 for voltages of this circuit diagram.
2. Please refer to page 2-92 for waveforms of this circuit diagram.

ANALOG SIGNAL PWB CIRCUIT DIAGRAM (4/5) SHEET5

All parts in this circuit diagram are not used.


ANALOG SIGNAL PWB ASS'Y (4/5)
SFP0A503A-M2
OPEN
9V
LIP_L
LIP_R
SHEET2,4
MAIN_R
MAIN_L
SHEET2,4
LIP_RST
SHEET3
SCL_3A
SDA_3A
GND
IC604
VCC
C661
R631
R632
R633
C662
C663
C664
R634
D651
D652
CH
C665
C666
R635
R636
R637
IC606
NC
VIN
SUB
CONT
VO
GND
CN
C671
C672
C673
K601
R649
IC605
AOUTR
AOUTL
/PWDA
/PWAD
SCLK
MCLK
LRCK
SDTI
VCOM
AINR
AINL
VSS
VDD
DEM0
DEM1
SDTO
C674
C675
C676
VGND
R688
C614
Q606
R638
R689
R639
R640
C667
R644
C669
R690
R641
R642
R643
C670
C668
R645
C690
Q607
R694
Y601
D_GND
R646
C678
Q602
R647
R648
C679
C681
F
C682
IC607
R681
SDI0
SDI1
TEST3
LRI
BCKI
R682
MCK
R683
BCKO
R684
LRO
VSSR
VDDR
VSSC
VDDC
TEST2
NC
VDDC
RESETX
VSSO
XO
XI
VDDO
C683
C684
R695
1M
X601
R696
C685
C680
R685
TEST0
TEST1
SDO0
SEL1
SCL/SCK
SDA/SDOUT
AD1/SDIN
AD2/SSX
R686
R687
C687
C686
L601
Q603
R697
R698
Q604
R699
R611
D
G
S
R605
Q605
R609
C688
R610
C689
D_GND

ANALOG SIGNAL PWB CIRCUIT DIAGRAM (5/5) SHEET6

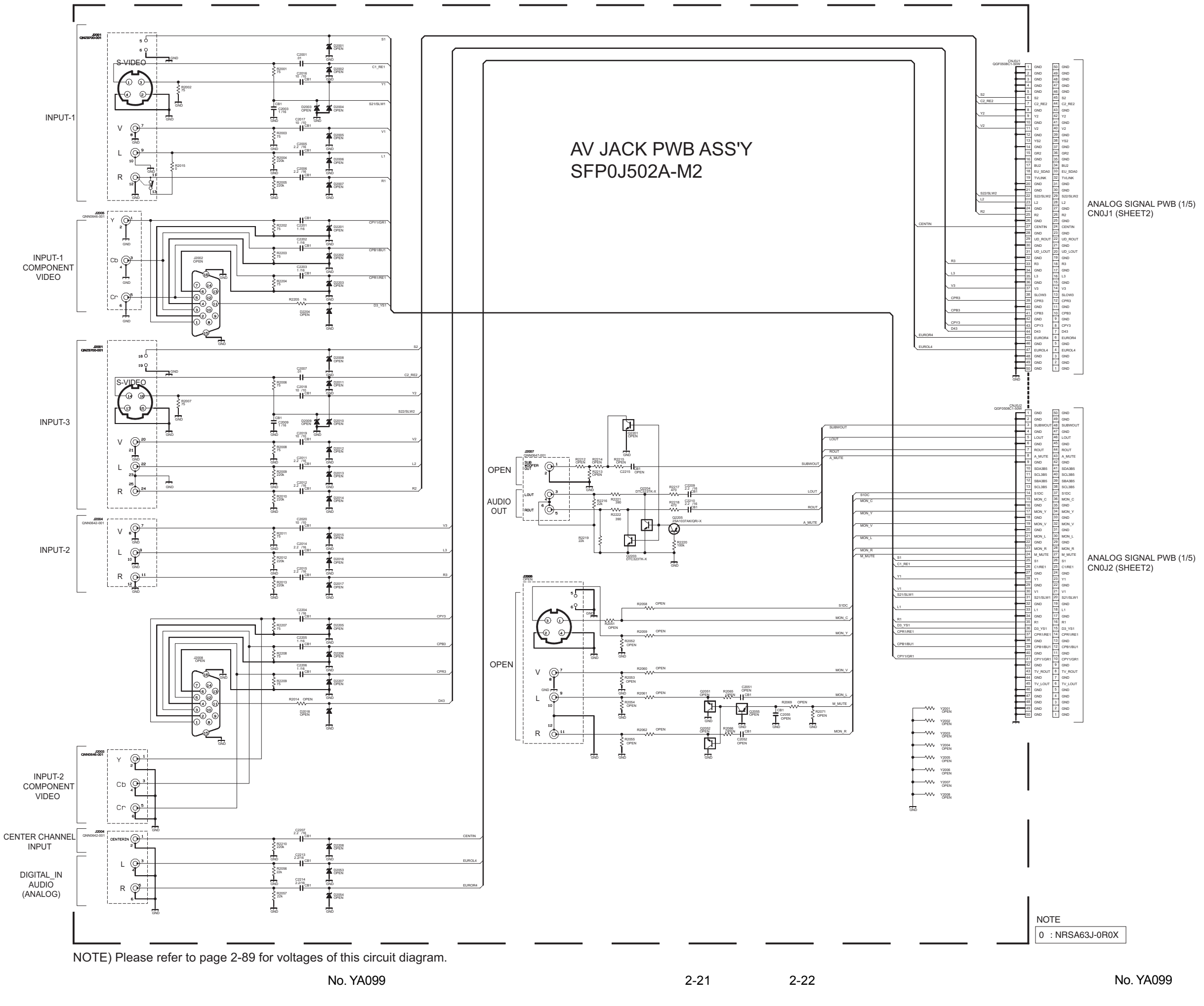

ANALOG SIGNAL PWB ASS'Y (5/5)
SFP0A503A-M2
SDA3B5
SCL3B5
SHEET3
FAN_LOCK
SHEET3
BS_ABT30
12V
ILA5V
STB_5V
STB3.3V
BS_A9V
BS_A5V
12V
9V
5V
CN00D
QGA2001C2-12V
BT32V 1
12V 2
GND 3
9V 4
GND 5
5V 6
GND 7
3.3V 8
GND 9
SDA3B5 10
SCL3B5 11
GND 12
GND
REGULATOR PWB
CN00D (SHEET25)
L901
NQL52EM-220X
C911
NEX51CM-335X
GND
9V SWITCH
R907
330
1/2W
Q901
2SC3074/OY/-X
C912
47/16
GND
IC902
TA48M033F-X
L902
NQL52EM-220X
D903
PTZ11B-X
GND
C913
NEX51CM-335X
GND
C904
NCB11AK-106X
C905
NEH91CM-476X
GND
L903
OPEN
C914
OPEN
GND
R908
OPEN
Q902
OPEN
C915
OPEN
GND
CN00G
QGA1501C2-07V
L904
NQL52EM-220X
D904
PTZ6.8B-X
GND
C916
NEX50JM-156X
GND
R917
0
STB5V 1
GND 2
MAIN_POW 3
AC_IN 4
REC_LED 5
POW_GOOD 6
FAN_LOCK 7
INTERFACE PWB (2/2)
CN00G (SHEET20)
RB901
OPEN
R901
OPEN
R903
OPEN
D902
OPEN
C901
OPEN
D905
OPEN
Q903
OPEN
R904
OPEN
R902
OPEN
GND
LB_PRO5
GND
GND_S1
GND_S2
Y902
OPEN
Y903
OPEN
GND
GND_S3
GND_S4
Y904
OPEN
Y905
OPEN
GND
SHEET3
MAIN_POW
AC_IN
REC_LED
POW_GOOD

NOTE

0	: NRSA63-0R0X

NOTE) Please refer to page 2-89 for voltages of this circuit diagram.

AV JACK PWB CIRCUIT DIAGRAM SHEET7

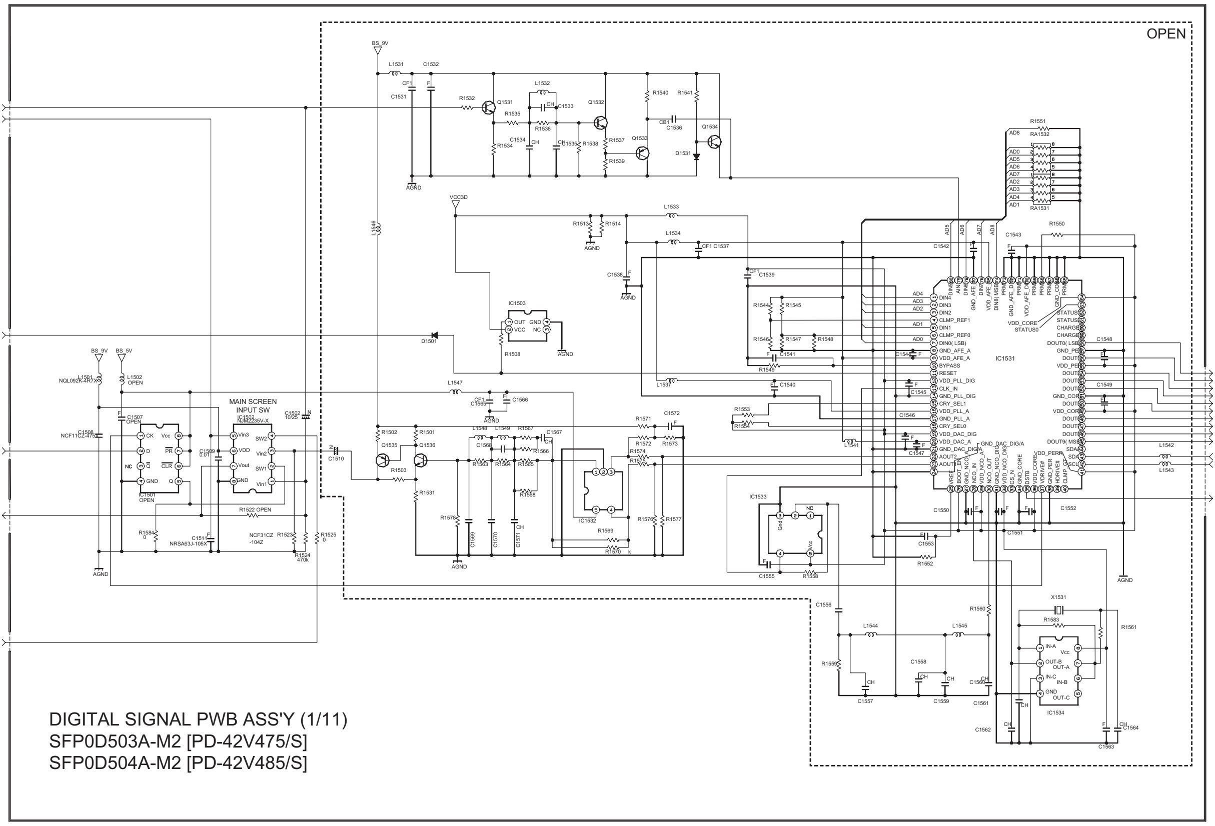

INPUT-1
S-VIDEO
V
L
R
INPUT-1
COMPONENT
VIDEO
Y
Cb
Cr
INPUT-3
S-VIDEO
V
L
R
INPUT-2
V
L
R
INPUT-2
COMPONENT
VIDEO
Y
Cb
Cr
CENTER CHANNEL
INPUT
DIGITAL_IN
AUDIO
(ANALOG)
L
R
AV JACK PWB ASS'Y
SFP0J502A-M2
OPEN
AUDIO
OUT
OPEN
V
L
R
ANALOG SIGNAL PWB (1/5)
CN0J1 (SHEET2)
ANALOG SIGNAL PWB (1/5)
CN0J2 (SHEET2)

NOTE

0 : NRSA63J-0R0X

NOTE) Please refer to page 2-89 for voltages of this circuit diagram.

DIGITAL SIGNAL PWB CIRCUIT DIAGRAM (1/11) SHEET8


OPEN
SHEET18
MAIN_VY
YUVSW_Y1
SHEET17
GR_RST
GRON
SHEET10
DEC_Y
SHEET17
MCmp/OTH
BS_9V
VCC3D
BS_5V
AGND
MAIN SCREEN
INPUT SW
IC1502
IC1501
IC1503
IC1531
IC1532
IC1533
IC1534
X1531
Q1531
Q1532
Q1533
Q1534
Q1535
Q1536
D1501
D1531
RA1531
RA1532
GRD0
GRD1
GRD2
GRD3
GRD4
GRD5
GRD6
GRD7
GRD8
GRD9
SHEET10
SDA3A
SCL3A
SHEET17
4FSC
SHEET10

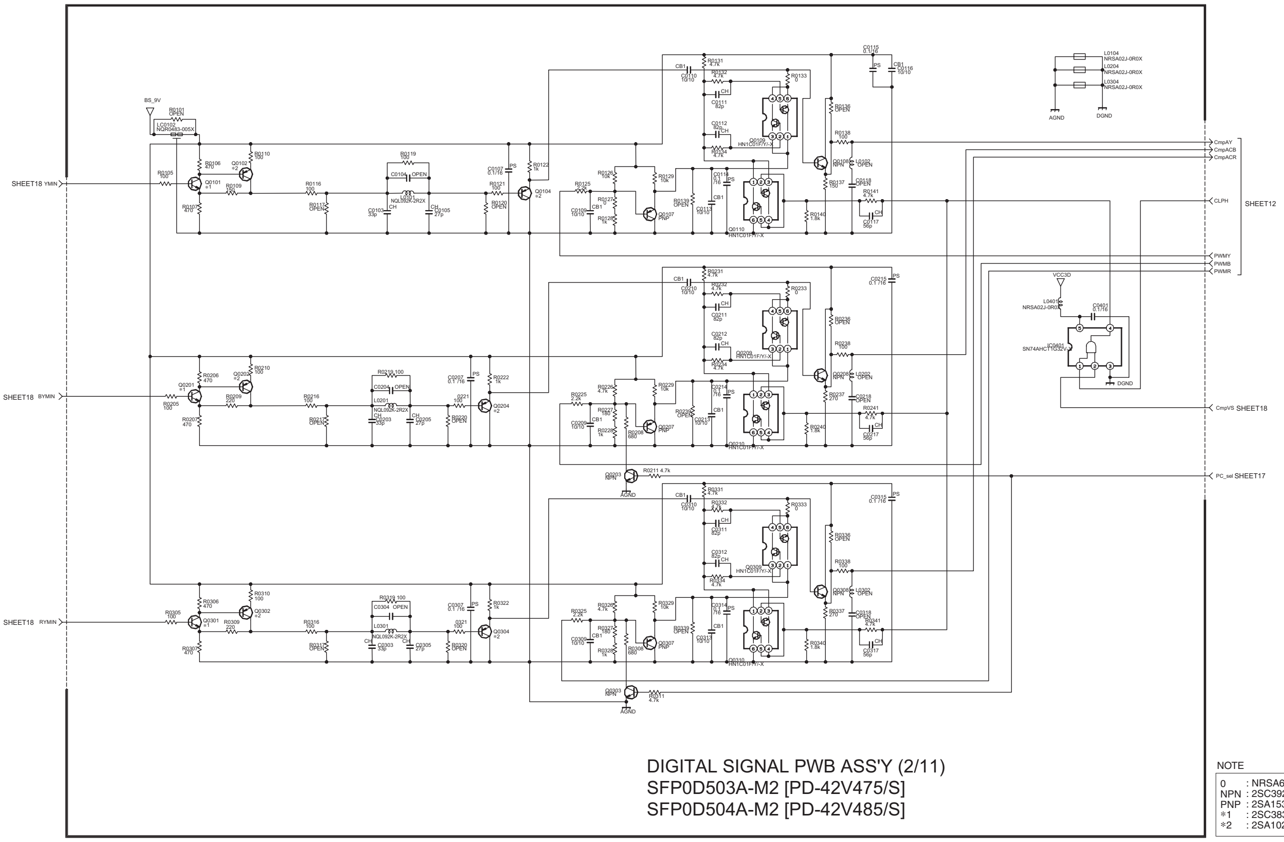
DIGITAL SIGNAL PWB ASS'Y (1/11)
SFP0D503A-M2 [PD-42V475/S]
SFP0D504A-M2 [PD-42V485/S]

NOTE

0 : NRSA63J-0R0X

NOTES) 1. Please refer to page 2-89 for voltages of this circuit diagram.
2. Please refer to page 2-92 for waveforms of this circuit diagram.

DIGITAL SIGNAL PWB CIRCUIT DIAGRAM (2/11) SHEET9


SHEET18 YMIN
SHEET18 BYMIN
SHEET18 RYMIN
BS_9V
CmpAY
CmpACB
CmpACR
CLPH
SHEET12
PWMY
PWMB
PWMR
CmpVS SHEET18
PC_sel SHEET17
VCC3D
IC0401
SN74AHCT1G32
L0401
NRSA02J-0R0X
L0104
NRSA02J-0R0X
L0204
NRSA02J-0R0X
L0304
NRSA02J-0R0X
AGND
DGND
Q0109
HN1C01F(Y)-X
Q0110
HN1C01F(Y)-X
Q0209
HN1C01F(Y)-X
Q0210
HN1C01F(Y)-X
Q0309
HN1C01F(Y)-X
Q0310
HN1C01F(Y)-X
Q0203
NPN
Q0303
NPN

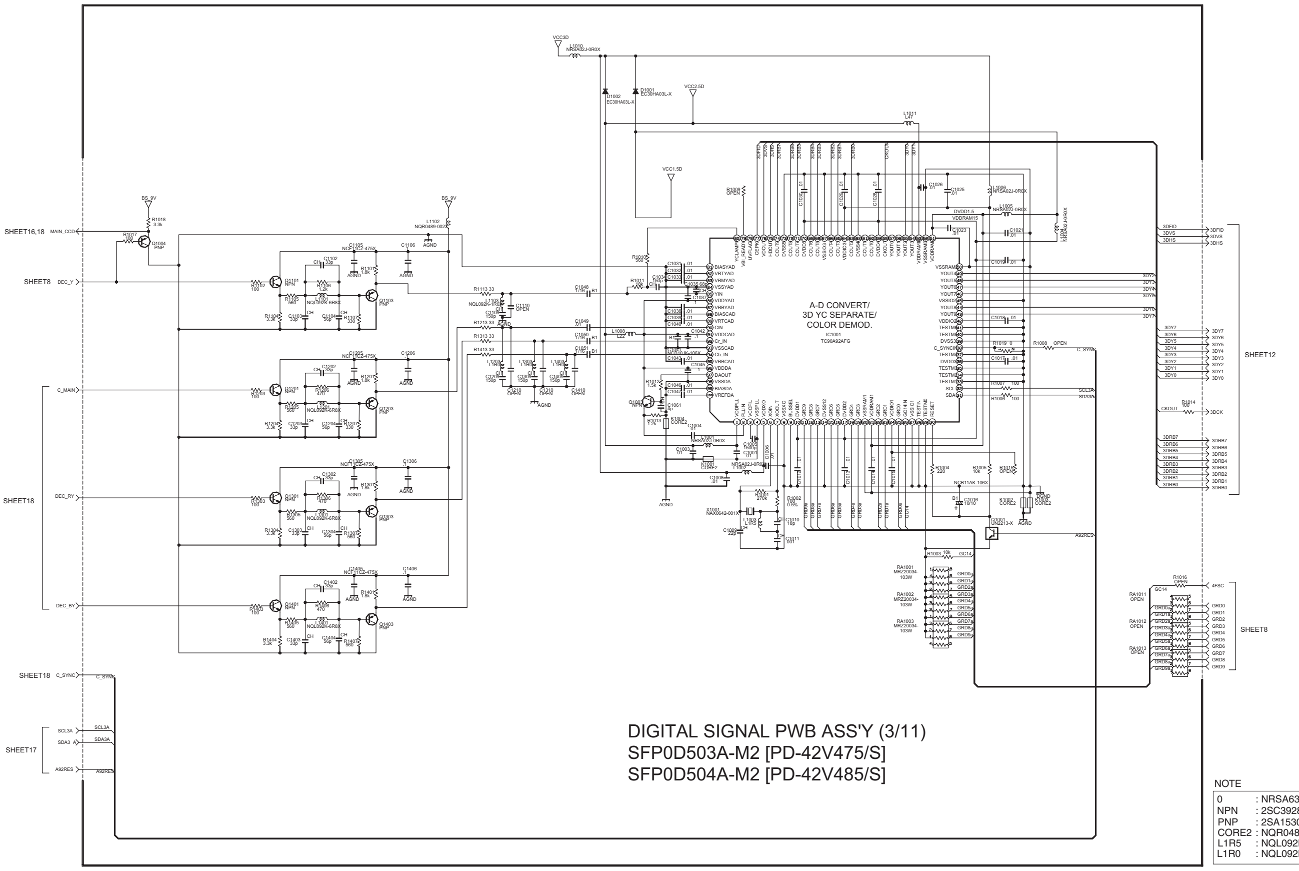
DIGITAL SIGNAL PWB ASS'Y (2/11)
SFP0D503A-M2 [PD-42V475/S]
SFP0D504A-M2 [PD-42V485/S]

NOTE

0	: NRSA63J-0R0X
NPN	: 2SC3928A/QR/-X
PNP	: 2SA1530A/QR/-X
＊1	: 2SC3837K/NP/-X
＊2	: 2SA1022/BC/-X

NOTE) Please refer to page 2-89 for voltages of this circuit diagram.

DIGITAL SIGNAL PWB CIRCUIT DIAGRAM (3/11) SHEET10


VCC3D
VCC2.5D
VCC1.5D
BS_9V
SHEET16,18
MAIN_CCD
SHEET8
DEC_Y
C_MAIN
SHEET18
DEC_RY
DEC_BY
SHEET18
C_SYNC
SHEET17
SCL3A
SDA3
A92RES
A-D CONVERT/
3D YC SEPARATE/
COLOR DEMOD.
IC1001
TC90A92AFG
BIASYAD
VRTYAD
VRMYAD
VSSYAD
YIN
VDDYAD
VRBYAD
BIASCAD
VRTCAD
CIN
VDDCAD
Cr_IN
VSSCAD
Cb_IN
VRBCAD
VDDDA
DAOUT
VSSDA
BIASDA
VREFDA
YCLAMP
VBI_READY
UVFLAG
OEPK
VDOUT
HDOUT
VSSRAM
YOUT4
YOUT5
YOUT6
YOUT7
VSSIO2
YOUT8
YOUT9
VDDIO2
C_SYNCIN
SCL
SDA
VDDPLL
PLLIN
VCOFIL
VSSPLL
VDDXO
XOIN
XOOUT
VSSXO
BUSSEL
RESET
DVDD1.5
VDDRAM15
AGND
3DFID
3DVS
3DHS
3DY7
3DY6
3DY5
3DY4
3DY3
3DY2
3DY1
3DY0
3DCK
3DRB7
3DRB6
3DRB5
3DRB4
3DRB3
3DRB2
3DRB1
3DRB0
SHEET12
4FSC
GRD0
GRD1
GRD2
GRD3
GRD4
GRD5
GRD6
GRD7
GRD8
GRD9
SHEET8
GC14

DIGITAL SIGNAL PWB ASS'Y (3/11)
SFP0D503A-M2 [PD-42V475/S]
SFP0D504A-M2 [PD-42V485/S]

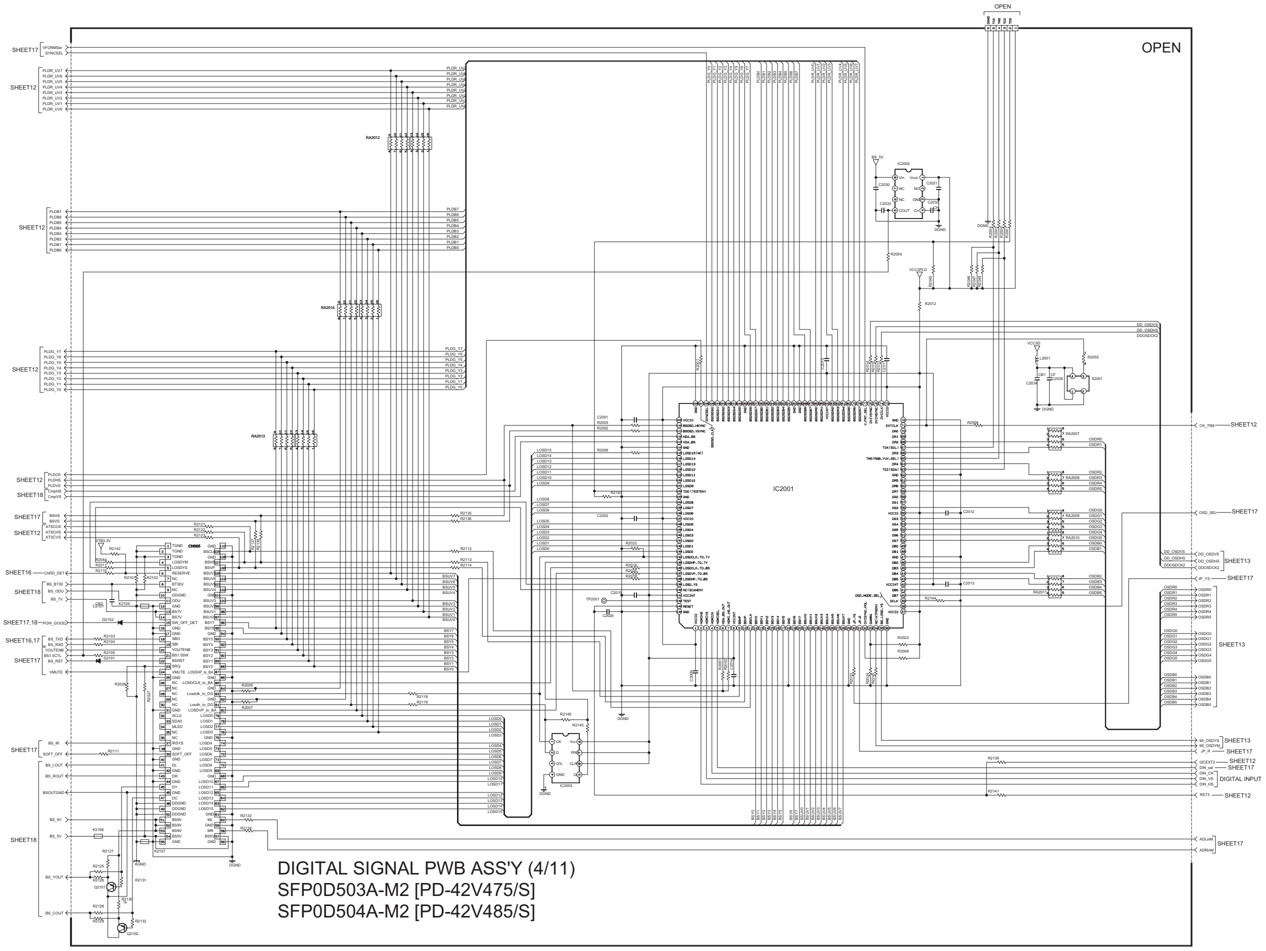
NOTE

0	: NRSA63J-0R0X
NPN	: 2SC3928A/QR/-X
PNP	: 2SA1530A/QR/-X
CORE2	: NQR0489-002X
L1R5	: NQL092K-1R5X
L1R0	: NQL092K-1R0X

NOTES) 1. Please refer to page 2-89 for voltages of this circuit diagram.
2. Please refer to page 2-92 for waveforms of this circuit diagram.

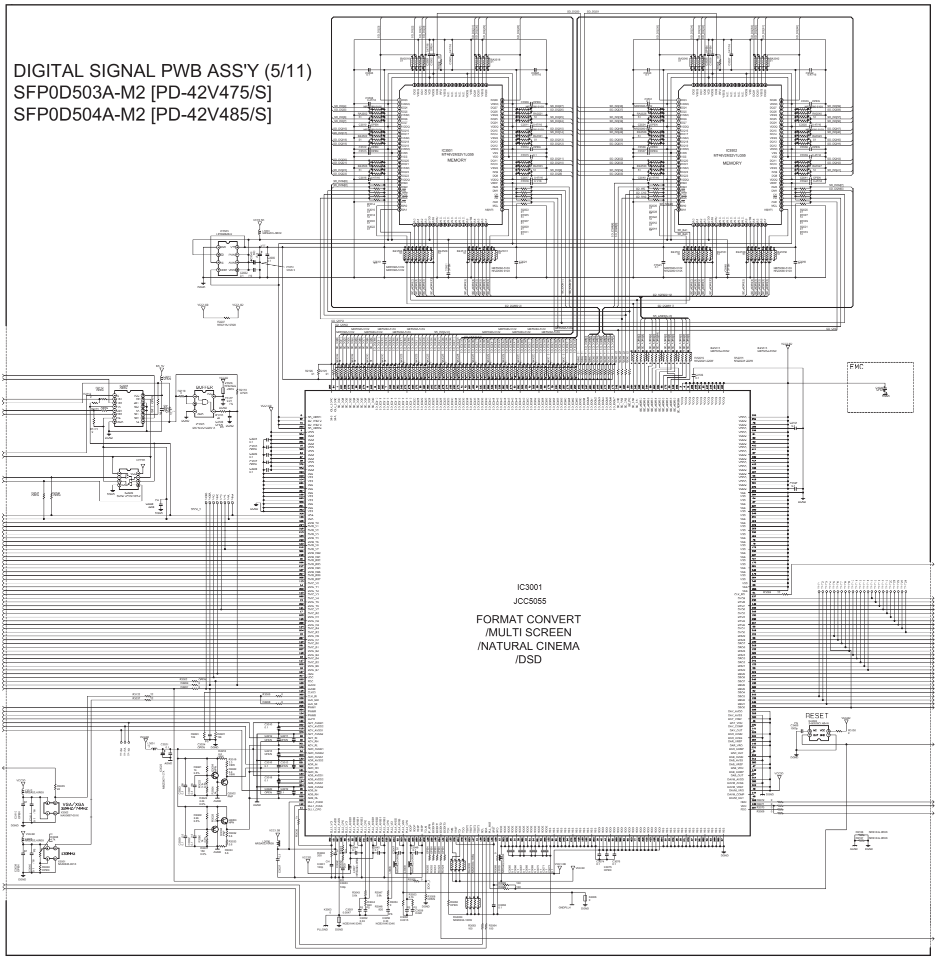
DIGITAL SIGNAL PWB CIRCUIT DIAGRAM (4/11) SHEET11

All parts in this circuit diagram are not used.


OPEN
OPEN
SHEET17
SHEET12
SHEET12
SHEET12
SHEET12
SHEET18
SHEET17
SHEET12
SHEET16
SHEET18
SHEET17,18
SHEET16,17
SHEET17
SHEET17
SHEET18
RA2012
RA2014
RA2013
IC2001
IC2002
IC2003
CN906
X2001
RA2007
RA2008
RA2009
RA2010
RA2011
Q2101
Q2102
D2101
D2102
BS_5V
VCC3R_O
VCC3D
DGND
SHEET12
SHEET17
SHEET13
SHEET17
SHEET13
SHEET13
SHEET17
SHEET12
SHEET17
DIGITAL INPUT
SHEET12
SHEET17

DIGITAL SIGNAL PWB ASS'Y (4/11)
SFP0D503A-M2 [PD-42V475/S]
SFP0D504A-M2 [PD-42V485/S]

DIGITAL SIGNAL PWB CIRCUIT DIAGRAM (5/11) SHEET12

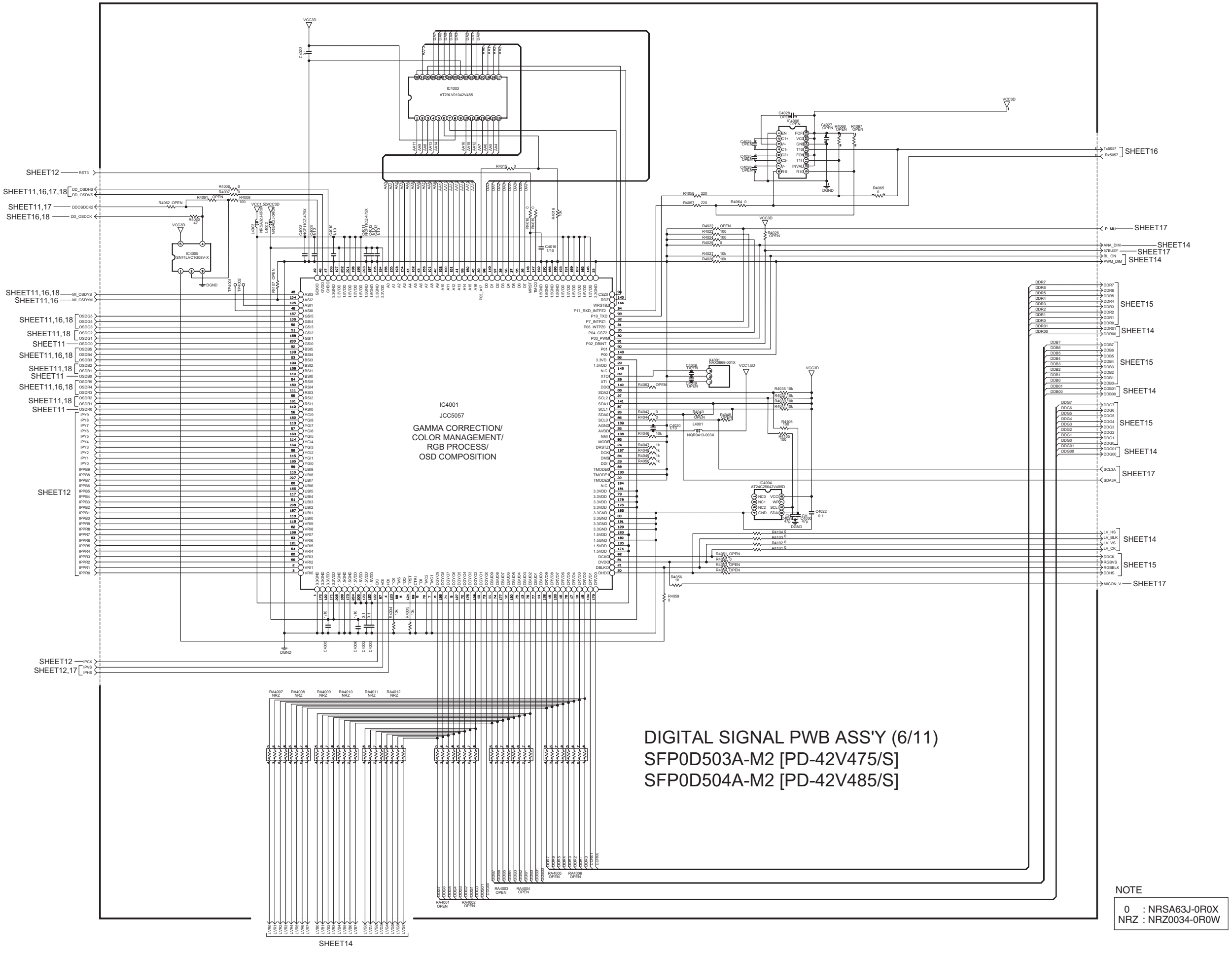

DIGITAL SIGNAL PWB ASS'Y (5/11)
SFP0D503A-M2 [PD-42V475/S]
SFP0D504A-M2 [PD-42V485/S]
IC3501
MEMORY
IC3502
MEMORY
IC3001
JCC5055
FORMAT CONVERT
/MULTI SCREEN
/NATURAL CINEMA
/DSD
BUFFER
EMC
RESET
VGA/XGA
SHEET11
DIGITAL IN
SHEET11
SHEET17
SHEET18
SHEET11
SHEET10
SHEET11
DIGITAL IN
SHEET10
SHEET11
SHEET10
SHEET9
SHEET11
SHEET17
SHEET13
SHEET11,13
SHEET13
SHEET17
SHEET11

NOTE

0	: NRSA63J-0R0X
NPN	: 2SC3928A/QR/-X
PNP	: 2SA1530A/QR/-X
*2	: NQR0489-002X
0.1	: NCF31CZ-104X

NOTE) Please refer to page 2-90 for voltages of this circuit diagram.

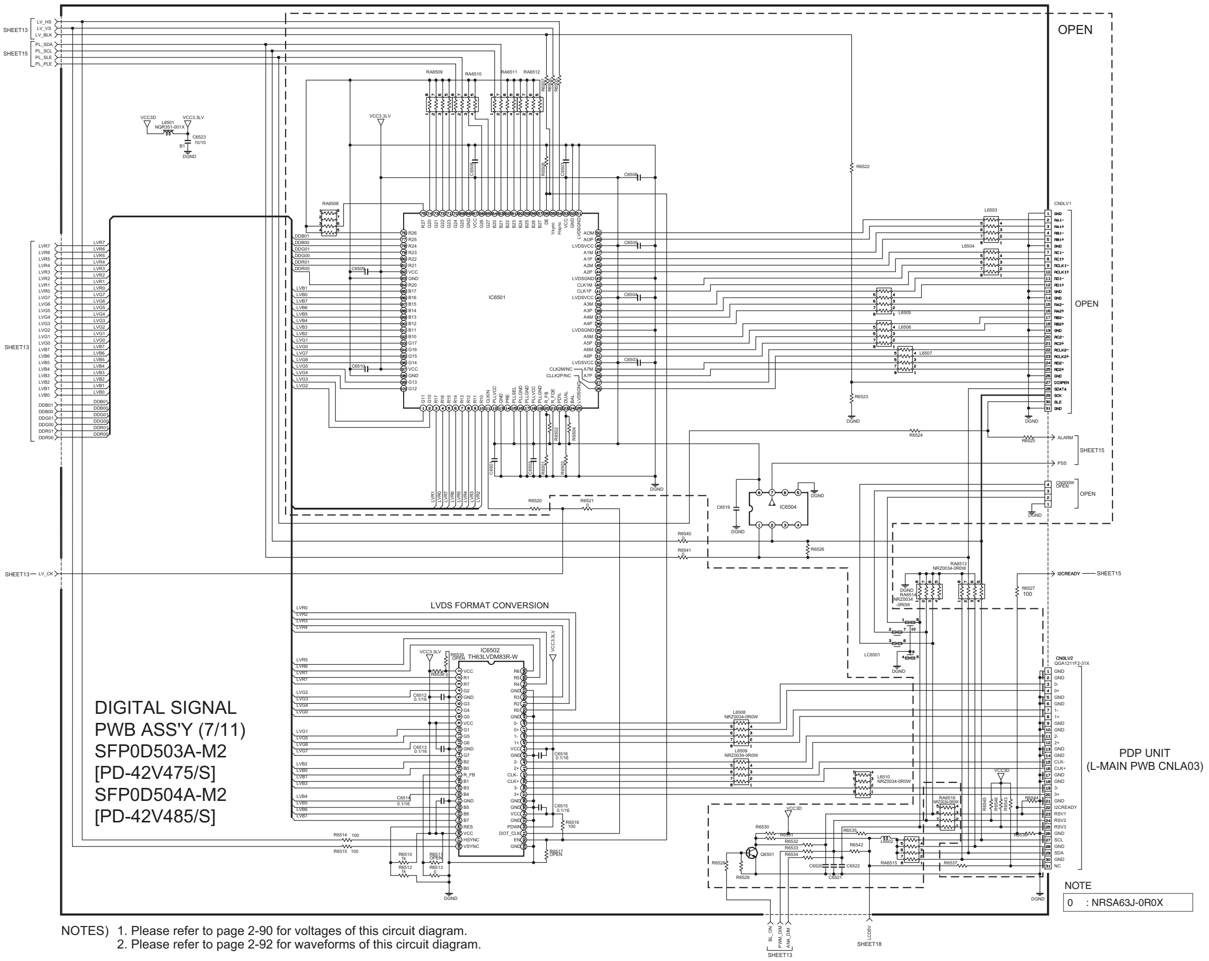
DIGITAL SIGNAL PWB CIRCUIT DIAGRAM (6/11) SHEET13


DIGITAL SIGNAL PWB ASS'Y (6/11)
SFP0D503A-M2 [PD-42V475/S]
SFP0D504A-M2 [PD-42V485/S]
IC4001
JCC5057
GAMMA CORRECTION/
COLOR MANAGEMENT/
RGB PROCESS/
OSD COMPOSITION
IC4003
AT29LV010A2V485
IC4005
IC4004
VCC3D
DGND
SHEET12
SHEET11,16,17,18
SHEET11,17
SHEET16,18
SHEET11,16,18
SHEET11,16
SHEET11,18
SHEET11
SHEET12,17
SHEET14
SHEET15
SHEET16
SHEET17

NOTE
0 : NRSA63J-0R0X
NRZ : NRZ0034-0R0W

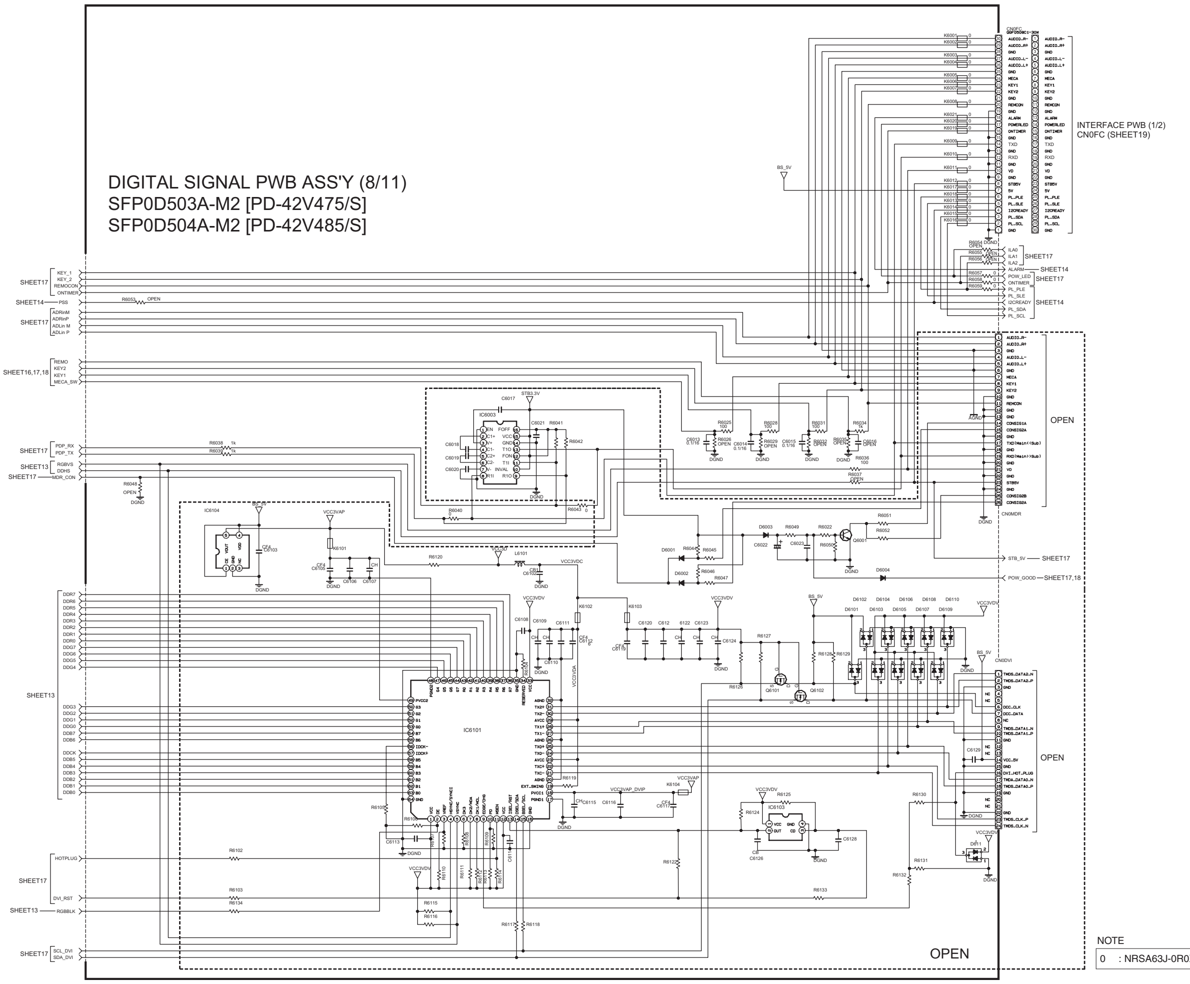
NOTE) Please refer to page 2-90 for voltages of this circuit diagram.

DIGITAL SIGNAL PWB CIRCUIT DIAGRAM (7/11) SHEET14


SHEET13
LV_HS
LV_VS
LV_BLK
SHEET15
PL_SDA
PL_SCL
PL_SLE
PL_PLE
OPEN
VCC3D
VCC3.3LV
IC6501
CN6LV1
ALARM
PSS
SHEET15
IC6504
SHEET13
LV_CK
I2CREADY
LVDS FORMAT CONVERSION
IC6502
TH63LVDM83R-W
DIGITAL SIGNAL
PWB ASS'Y (7/11)
SFP0D503A-M2
[PD-42V475/S]
SFP0D504A-M2
[PD-42V485/S]
CN6LV2
PDP UNIT
(L-MAIN PWB CNLA03)
Q6501
DGND
BL_ON
PWM_DIM
AMB_DIM
SHEET13
LCDIV
SHEET18
NOTE
0 : NRSA63J-0R0X

NOTES) 1. Please refer to page 2-90 for voltages of this circuit diagram.
2. Please refer to page 2-92 for waveforms of this circuit diagram.

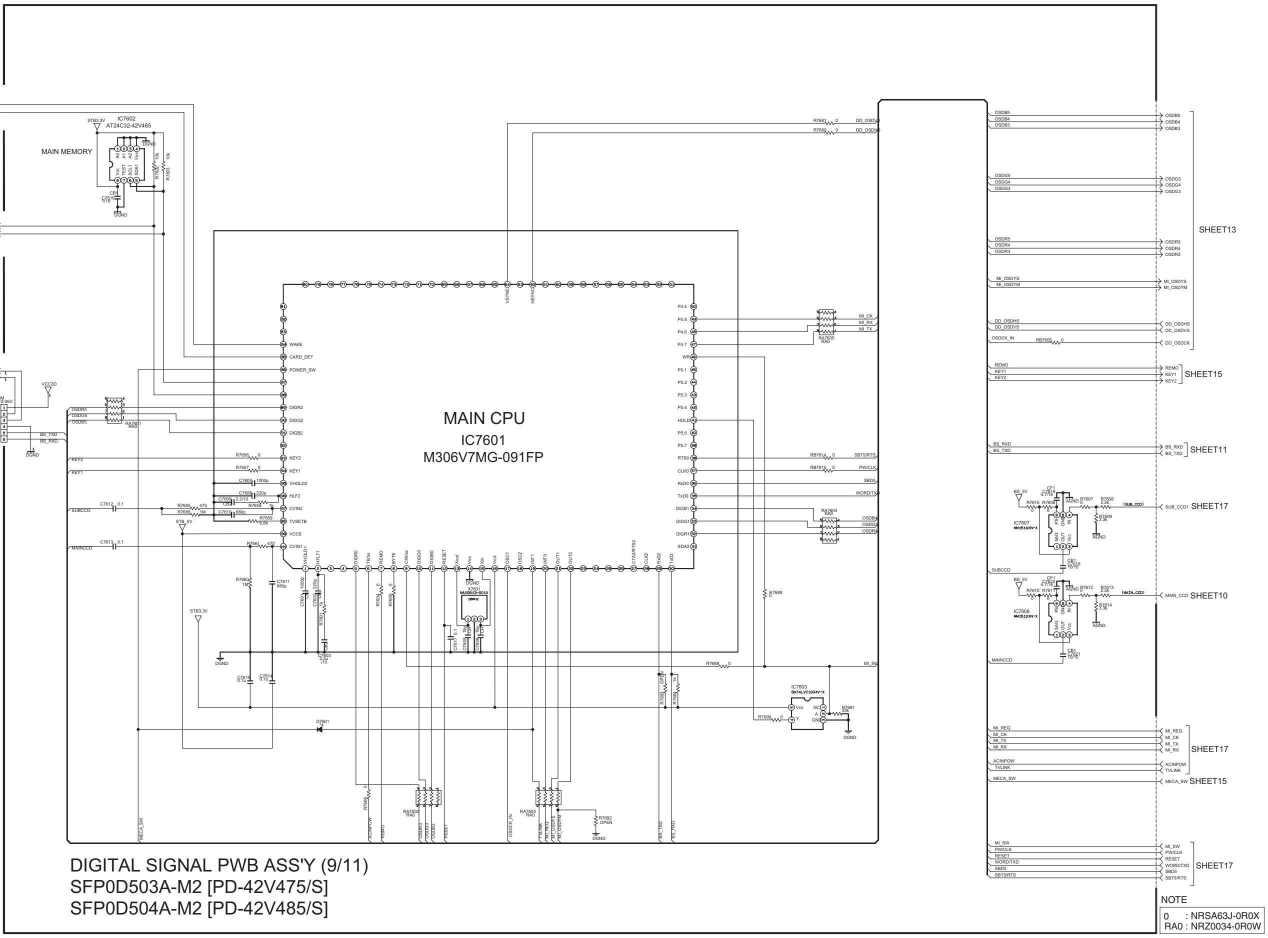
DIGITAL SIGNAL PWB CIRCUIT DIAGRAM (8/11) SHEET15


DIGITAL SIGNAL PWB ASS'Y (8/11)
SFP0D503A-M2 [PD-42V475/S]
SFP0D504A-M2 [PD-42V485/S]
INTERFACE PWB (1/2)
CN0FC (SHEET19)
CN0FC
CN0MDR
CN0DVI
OPEN
OPEN
OPEN
OPEN
IC6003
IC6101
IC6103
IC6104
SHEET17
KEY_1
KEY_2
REMOCON
ONTIMER
SHEET14
PSS
SHEET17
ADRinM
ADRinP
ADLin M
ADLin P
SHEET16,17,18
REMO
KEY2
KEY1
MECA_SW
SHEET17
PDP_RX
PDP_TX
SHEET13
RGBVS
DDHS
SHEET17
MDR_CON
SHEET13
SHEET17
HOTPLUG
DVI_RST
SHEET13
RGBBLK
SHEET17
SCL_DVI
SDA_DVI
SHEET17
SHEET14
SHEET17
SHEET14
STB_5V
SHEET17
POW_GOOD
SHEET17,18
BS_5V
STB3.3V
VCC3VAP
VCC3VDC
VCC3VDV
DGND
Q6001
Q6101
Q6102
D6001
D6002
D6003
D6004
D6101
D6102
D6103
D6104
D6105
D6106
D6107
D6108
D6109
D6110
D6111

NOTE

0 : NRSA63J-0R0X

DIGITAL SIGNAL PWB CIRCUIT DIAGRAM (9/11) SHEET16


SHEET17
WAKE
SHEET11
CARD_DET
IC7602
AT24C32-42V485
MAIN MEMORY
ST83.3V
DGND
SHEET17,18
SCLM
SDAM
SHEET13
OPEN
VCC3D
BS_TXD
BS_RXD
MAIN CPU
IC7601
M306V7MG-091FP
WAKE
CARD_DET
POWER_SW
DIGR2
DIGG2
DIGB2
KEY2
KEY1
VHOLD2
HLF2
CVIN2
TVSETB
VCCE
CVIN1
P4.4
P4.5
P4.6
P4.7
WR
P5.1
P5.2
P5.3
P5.4
HOLD
P5.6
P5.7
RTS0
CLK0
RxD0
TxD0
DIGB1
DIGG1
DIGR1
SDA2
VSYNC
HSYNC
MI_CK
MI_RX
MI_TX
SBT5/RTS
PW/CLK
SBD5
WORD/TXD
OSDB5
OSDB4
OSDB3
OSDG5
OSDG4
OSDG3
OSDR5
OSDR4
OSDR3
MI_OSDYS
MI_OSDYM
DD_OSDHS
DD_OSDVS
OSDCK_IN
DD_OSDCK
SHEET13
REMO
KEY1
KEY2
SHEET15
BS_RXD
BS_TXD
SHEET11
SUB_CCD
SHEET17
IC7607
MAIN_CCD
SHEET10
IC7608
SUBCCD
MAINCCD
IC7603
D7601
MI_SW
MI_REQ
MI_CK
MI_TX
MI_RX
ACINPOW
TVLINK
SHEET17
MECA_SW
SHEET15
MI_SW
PW/CLK
RESET
WORD/TXD
SBD5
SBT5/RTS
SHEET17
DGND
ST83.3V
ST8_5V
BS_5V
AGND

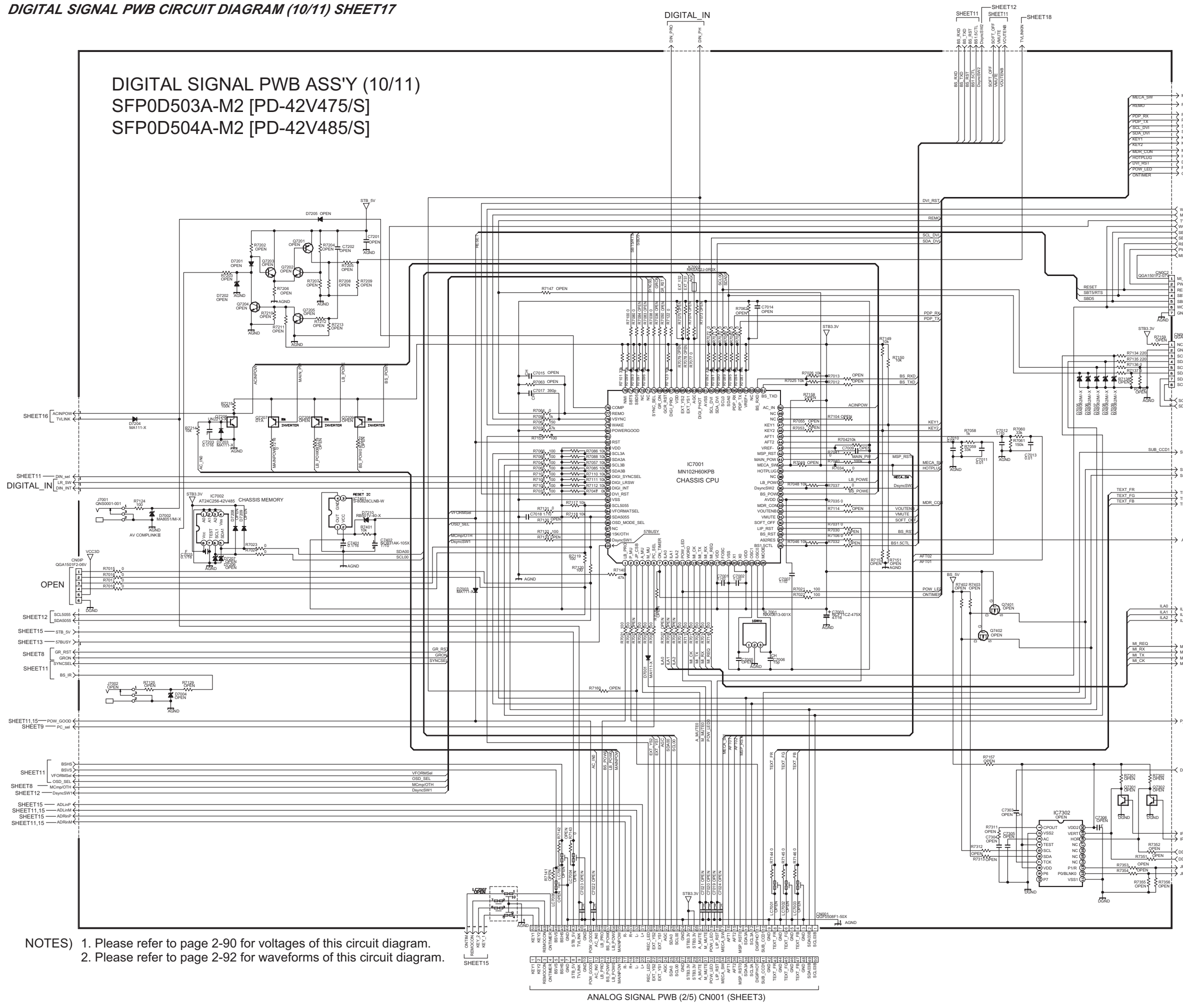
DIGITAL SIGNAL PWB ASS'Y (9/11)
SFP0D503A-M2 [PD-42V475/S]
SFP0D504A-M2 [PD-42V485/S]

NOTE

0	: NRSA63J-0R0X
RA0	: NRZ0034-0R0W

NOTES) 1. Please refer to page 2-90 for voltages of this circuit diagram.
2. Please refer to page 2-92 for waveforms of this circuit diagram.

DIGITAL SIGNAL PWB CIRCUIT DIAGRAM (10/11) SHEET17

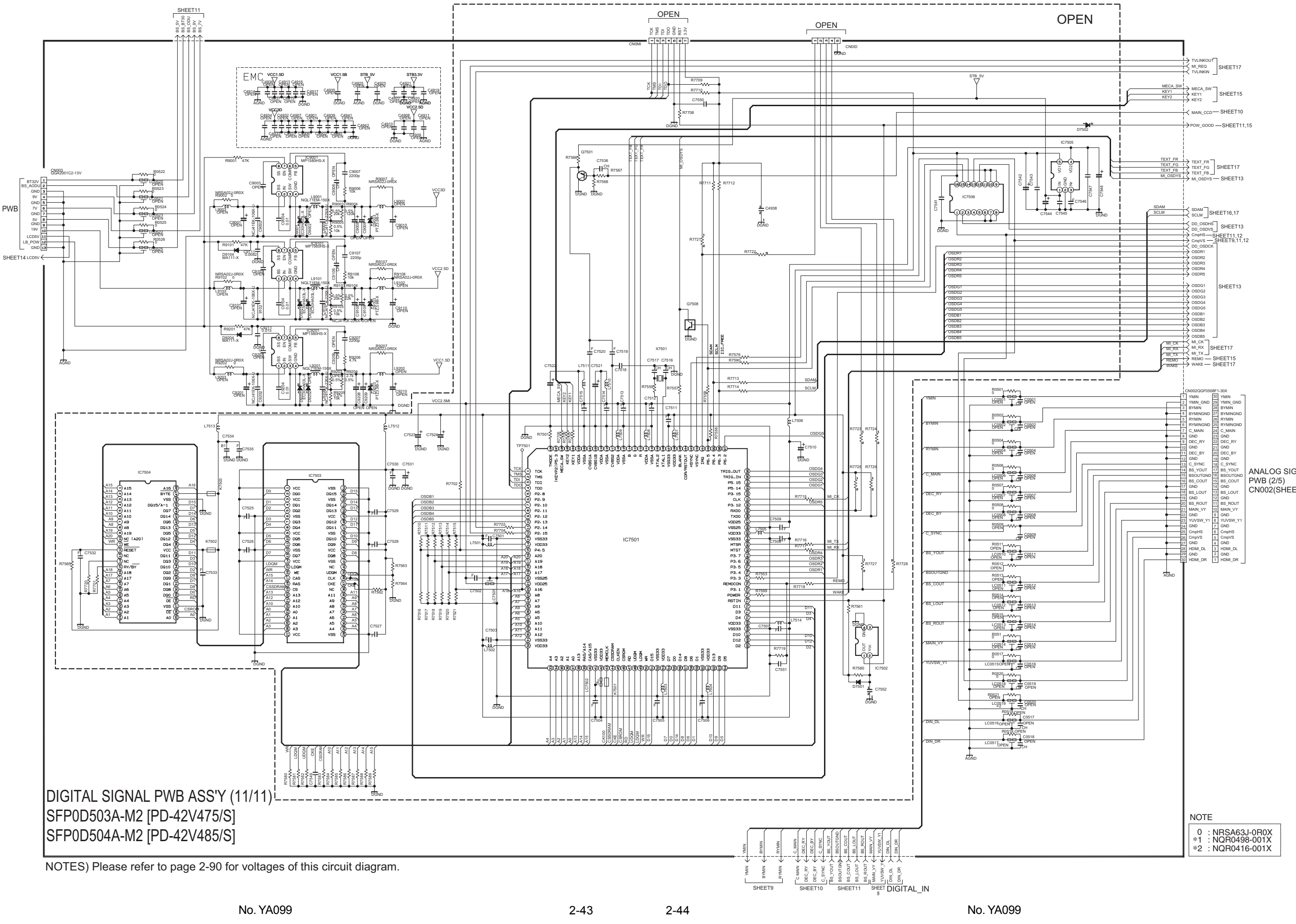

DIGITAL SIGNAL PWB ASS'Y (10/11)
SFP0D503A-M2 [PD-42V475/S]
SFP0D504A-M2 [PD-42V485/S]
DIGITAL_IN
SHEET11
SHEET12
SHEET18
SHEET15
SHEET16
SHEET16,18
SHEET12,13
OPEN
ADJUSTMENT CONNECTOR
SHEET8,10,13
DIGITAL_IN
SHEET10
SHEET13
SHEET9
SHEET8
SHEET11,15
IC7001
MN102H60KPB
CHASSIS CPU
IC7002
AT24C256-42V485
CHASSIS MEMORY
AV COMPLINK
IC7302
STB_5V
STB3.3V
AGND
DGND
ANALOG SIGNAL PWB (2/5) CN001 (SHEET3)

NOTES) 1. Please refer to page 2-90 for voltages of this circuit diagram.
2. Please refer to page 2-92 for waveforms of this circuit diagram.

NOTE

0 : NRSA63J-0R0X
0.1 : NCF31CZ-104X
DTA : DTA144EKA-X

DIGITAL SIGNAL PWB CIRCUIT DIAGRAM (11/11) SHEET18

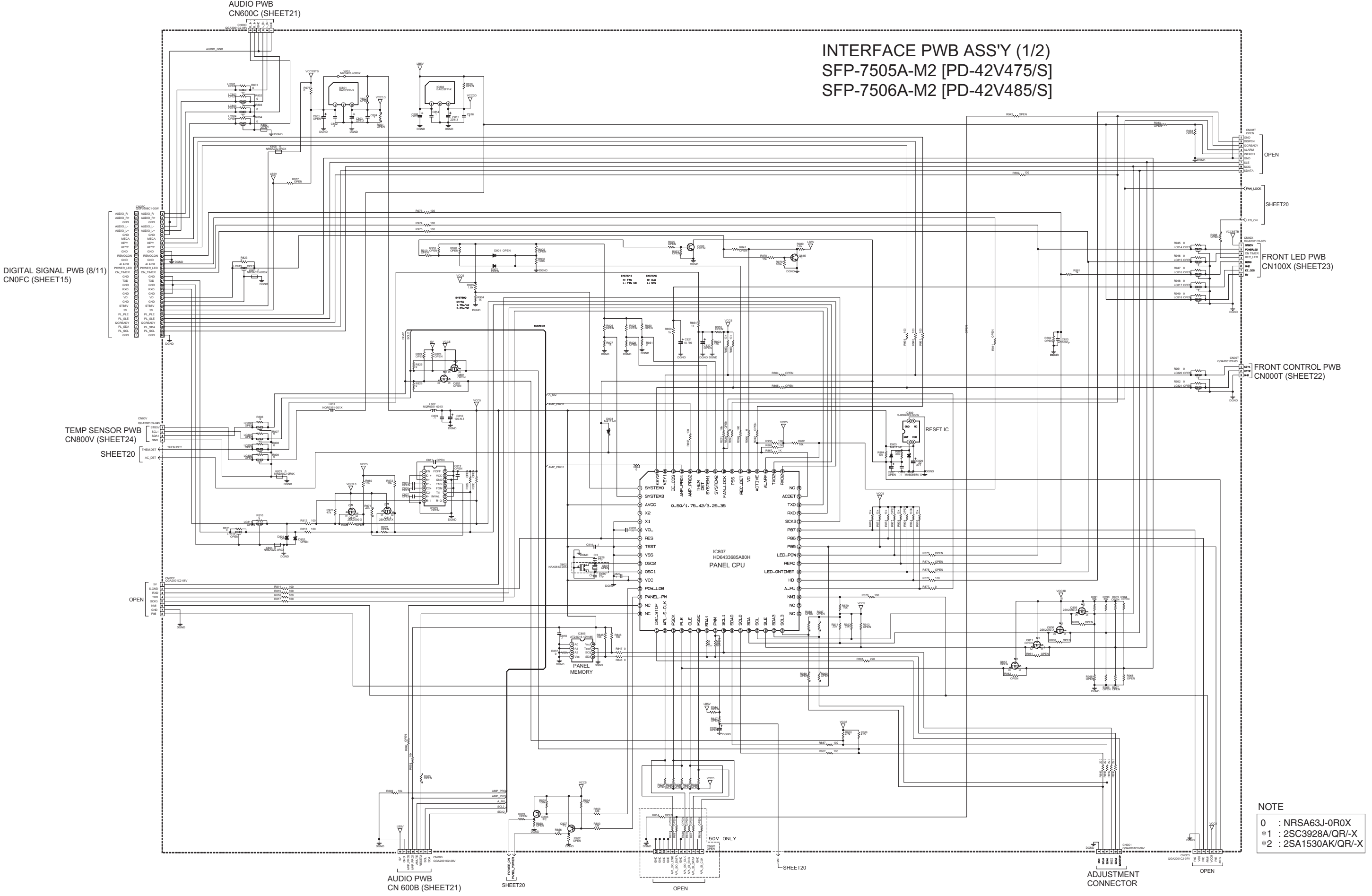

SHEET11
OPEN
OPEN
OPEN
EMC
REGULATOR PWB
CN003
(SHEET25)
SHEET14 LCD6V
CN9003
VCC3D
VCC2.5D
VCC1.5D
IC7501
IC7503
IC7504
IC7505
IC7506
SHEET17
SHEET15
SHEET10
SHEET11,15
SHEET13
SHEET16,17
SHEET11,12
SHEET9,11,12
ANALOG SIGNAL
PWB (2/5)
CN002(SHEET3)
SHEET9
SHEET10
SHEET11
DIGITAL_IN
AGND
DGND

DIGITAL SIGNAL PWB ASS'Y (11/11)
SFP0D503A-M2 [PD-42V475/S]
SFP0D504A-M2 [PD-42V485/S]

NOTE
- 0 : NRSA63J-0R0X
- ※1 : NQR0498-001X
- ※2 : NQR0416-001X

NOTES) Please refer to page 2-90 for voltages of this circuit diagram.

INTERFACE PWB CIRCUIT DIAGRAM (1/2) SHEET19

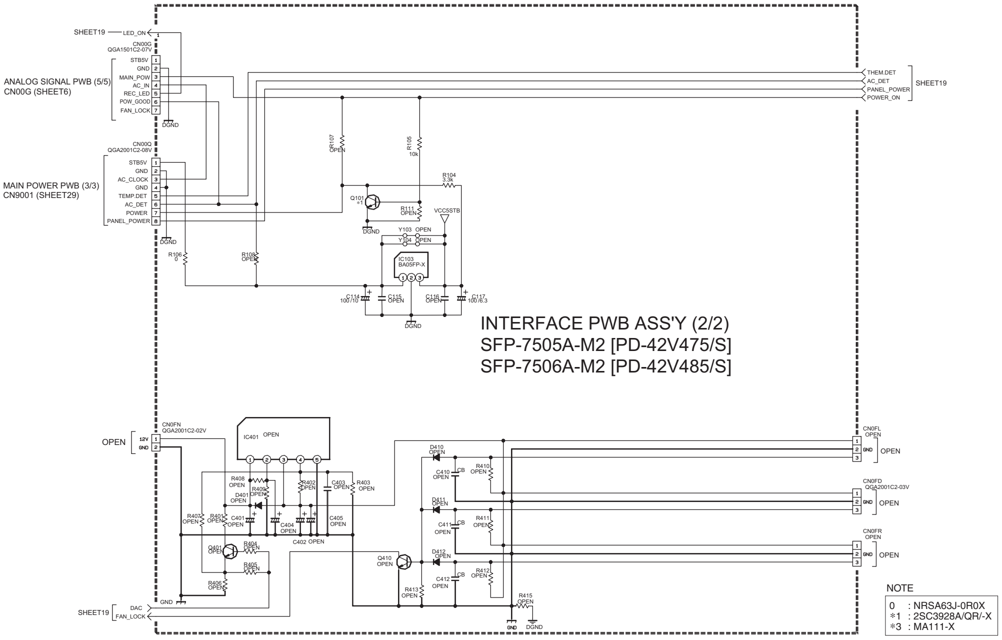

AUDIO PWB
CN600C (SHEET21)
INTERFACE PWB ASS'Y (1/2)
SFP-7505A-M2 [PD-42V475/S]
SFP-7506A-M2 [PD-42V485/S]
OPEN
SHEET20
FRONT LED PWB
CN100X (SHEET23)
DIGITAL SIGNAL PWB (8/11)
CN0FC (SHEET15)
FRONT CONTROL PWB
CN000T (SHEET22)
RESET IC
TEMP SENSOR PWB
CN800V (SHEET24)
SHEET20
IC807
HD6433685A80H
PANEL CPU
OPEN
PANEL
MEMORY
50V ONLY
AUDIO PWB
CN 600B (SHEET21)
SHEET20
OPEN
SHEET20
ADJUSTMENT
CONNECTOR
OPEN
CN0C3
QGA2001C2-07V
VCC5
DGND

NOTE

0 : NRSA63J-0R0X
＊1 : 2SC3928A/QR/-X
＊2 : 2SA1530AK/QR/-X

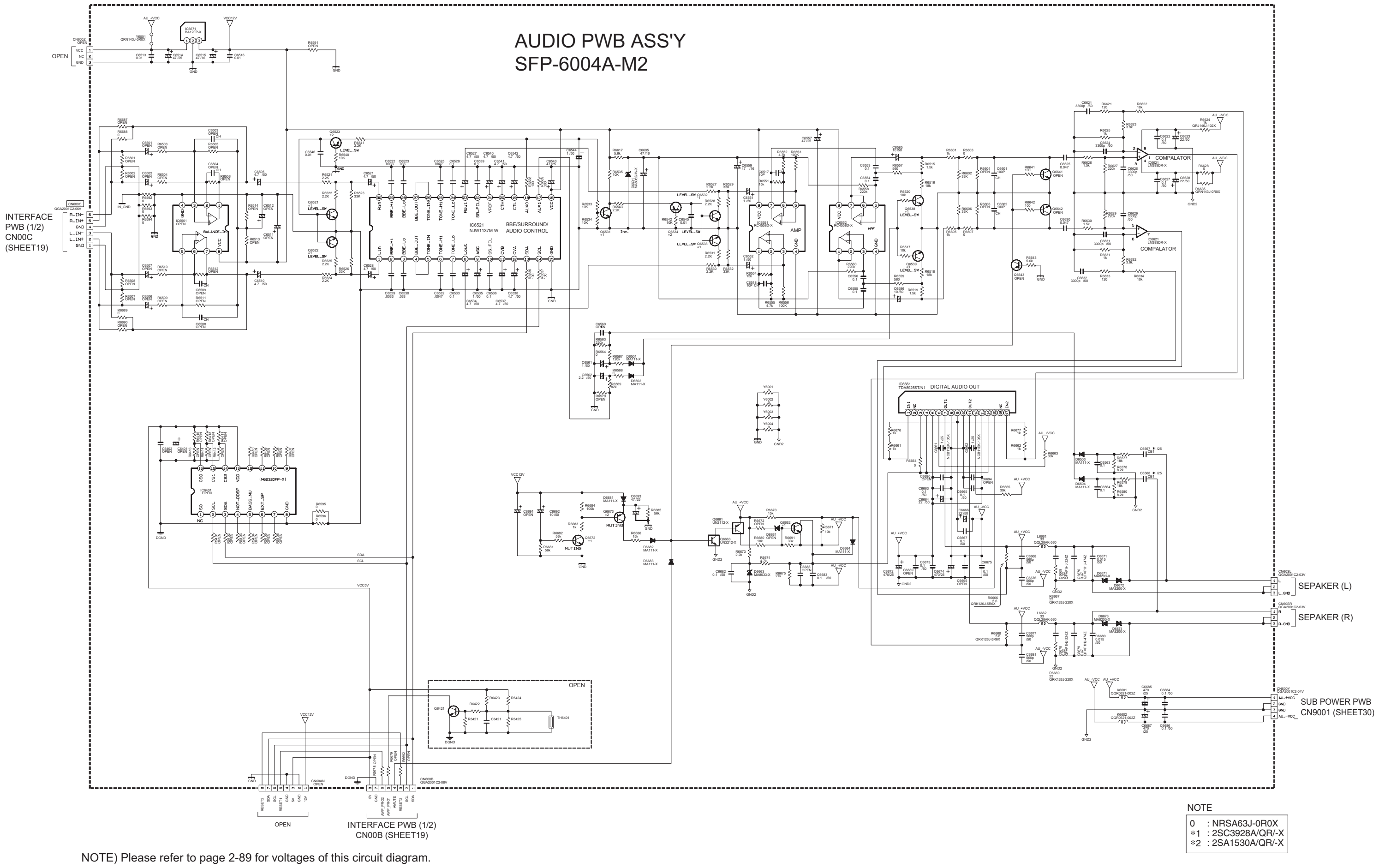
NOTES) 1. Please refer to page 2-91 for voltages of this circuit diagram.
2. Please refer to page 2-92 for waveforms of this circuit diagram.

INTERFACE PWB CIRCUIT DIAGRAM (2/2) SHEET20


SHEET19
LED_ON
CN00G
QGA1501C2-07V
ANALOG SIGNAL PWB (5/5)
CN00G (SHEET6)
STB5V
GND
MAIN_POW
AC_IN
REC_LED
POW_GOOD
FAN_LOCK
DGND
CN00Q
QGA2001C2-08V
MAIN POWER PWB (3/3)
CN9001 (SHEET29)
STB5V
GND
AC_CLOCK
GND
TEMP.DET
AC_DET
POWER
PANEL_POWER
DGND
R106
0
R108
OPEN
R107
OPEN
R105
10k
R104
3.3k
Q101
*1
R111
OPEN
VCC5STB
DGND
Y103 OPEN
Y104 OPEN
IC103
BA05FP-X
C114
100/10
C115
OPEN
C116
OPEN
C117
100/6.3
DGND
THEM.DET
AC_DET
PANEL_POWER
POWER_ON
SHEET19
INTERFACE PWB ASS'Y (2/2)
SFP-7505A-M2 [PD-42V475/S]
SFP-7506A-M2 [PD-42V485/S]
CN0FN
QGA2001C2-02V
OPEN
12V
GND
IC401 OPEN
R408
OPEN
R409
OPEN
D401
OPEN
R402
OPEN
C403
OPEN
R403
OPEN
R407
OPEN
R401
OPEN
C401
OPEN
C404
OPEN
C405
OPEN
C402 OPEN
Q401
OPEN
R404
OPEN
R405
OPEN
R406
OPEN
GND
SHEET19
DAC
FAN_LOCK
Q410
OPEN
D410
OPEN
C410
OPEN
CB
R410
OPEN
D411
OPEN
C411
OPEN
CB
R411
OPEN
D412
OPEN
C412
OPEN
CB
R412
OPEN
R413
OPEN
R415
OPEN
GND
DGND
CN0FL
OPEN
GND
OPEN
CN0FD
QGA2001C2-03V
GND
OPEN
CN0FR
OPEN
GND
OPEN
NOTE
0 : NRSA63J-0R0X
*1 : 2SC3928A/QR/-X
*3 : MA111-X

NOTES) Please refer to page 2-91 for voltages of this circuit diagram.

AUDIO PWB CIRCUIT DIAGRAM SHEET21

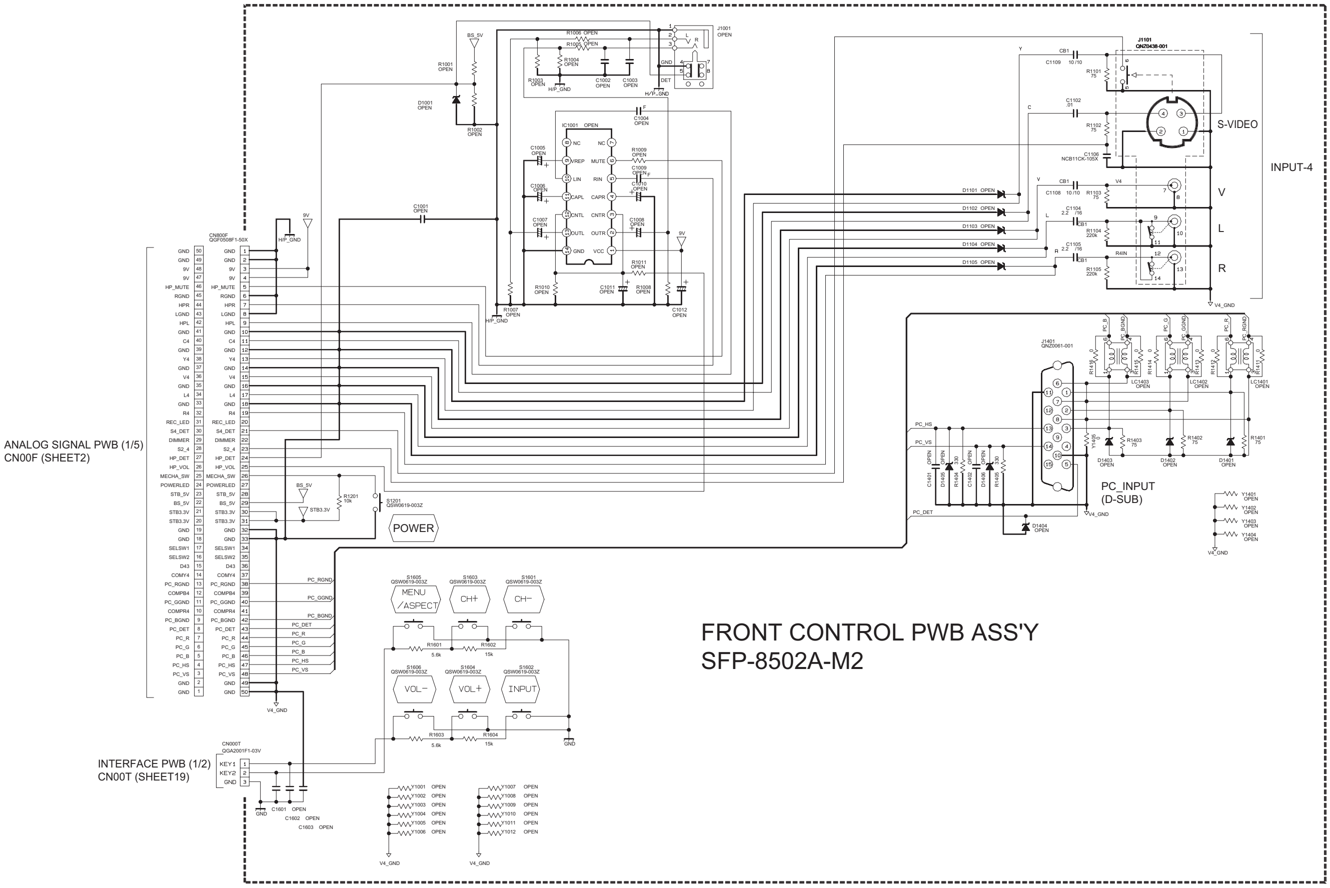

AUDIO PWB ASS'Y
SFP-6004A-M2
OPEN
INTERFACE PWB (1/2)
CN00C
(SHEET19)
IC6521
NJW1137M-W
BBE/SURROUND/
AUDIO CONTROL
AMP
HPF
COMPALATOR
COMPALATOR
DIGITAL AUDIO OUT
MUTING
SEPAKER (L)
SEPAKER (R)
SUB POWER PWB
CN9001 (SHEET30)
OPEN
OPEN
INTERFACE PWB (1/2)
CN00B (SHEET19)

NOTE

0 : NRSA63J-0R0X
*1 : 2SC3928A/QR/-X
*2 : 2SA1530A/QR/-X

NOTE) Please refer to page 2-89 for voltages of this circuit diagram.

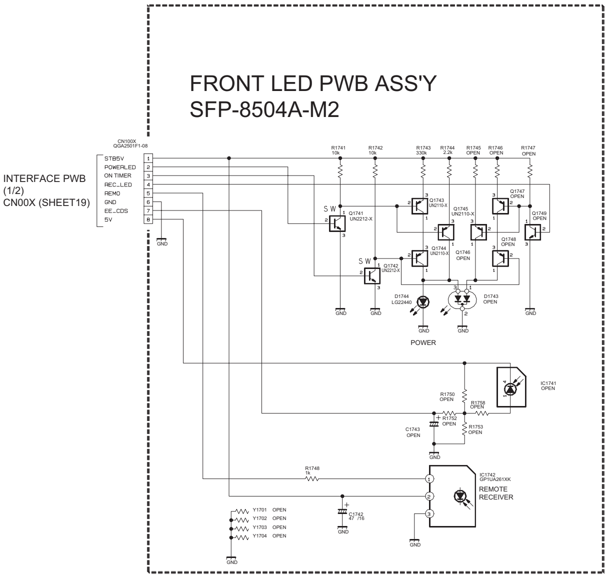
FRONT CONTROL PWB CIRCUIT DIAGRAM SHEET22


FRONT CONTROL PWB ASS'Y
SFP-8502A-M2
ANALOG SIGNAL PWB (1/5)
CN00F (SHEET2)
INTERFACE PWB (1/2)
CN00T (SHEET19)
CN800F
QGF0508F1-50X
CN000T
QGA2001F1-03V
KEY1
KEY2
GND
J1001
OPEN
IC1001 OPEN
J1101
QNZ0438-001
S-VIDEO
INPUT-4
V
L
R
J1401
QNZ0061-001
PC_INPUT
(D-SUB)
POWER
S1201
QSW0619-003Z
MENU
/ASPECT
CH+
CH−
VOL−
VOL+
INPUT
S1605
S1603
S1601
S1606
S1604
S1602
QSW0619-003Z
R1601 5.6k
R1602 15k
R1603 5.6k
R1604 15k
R1201 10k
D1101 OPEN
D1102 OPEN
D1103 OPEN
D1104 OPEN
D1105 OPEN
LC1401 OPEN
LC1402 OPEN
LC1403 OPEN
R1401 75
R1402 75
R1403 75
D1401 OPEN
D1402 OPEN
D1403 OPEN
D1404 OPEN
BS_5V
STB3.3V
9V
H/P_GND
V4_GND
GND
PC_HS
PC_VS
PC_DET
PC_RGND
PC_GGND
PC_BGND
PC_R
PC_G
PC_B
Y1001 OPEN
Y1002 OPEN
Y1003 OPEN
Y1004 OPEN
Y1005 OPEN
Y1006 OPEN
Y1007 OPEN
Y1008 OPEN
Y1009 OPEN
Y1010 OPEN
Y1011 OPEN
Y1012 OPEN
Y1401 OPEN
Y1402 OPEN
Y1403 OPEN
Y1404 OPEN
C1601 OPEN
C1602 OPEN
C1603 OPEN

NOTE
0 : NRSA63J-0R0X

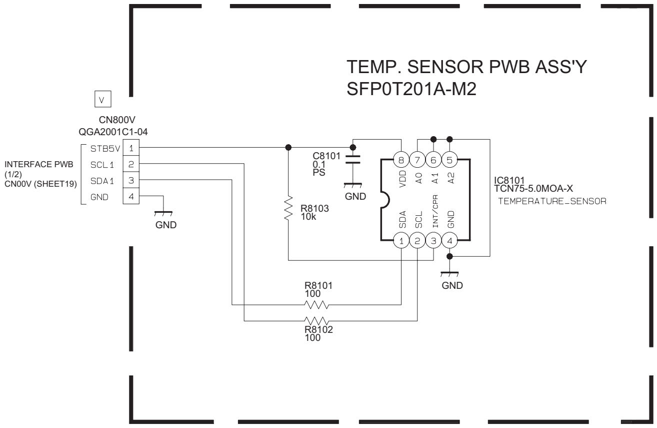
NOTE) Please refer to page 2-91 for voltages of this circuit diagram.

FRONT LED PWB CIRCUIT DIAGRAM SHEET23


FRONT LED PWB ASS'Y
SFP-8504A-M2
INTERFACE PWB
(1/2)
CN00X (SHEET19)
CN100X
QGA2501F1-08
STB5V 1
POWERLED 2
ON TIMER 3
REC_LED 4
REMO 5
GND 6
EE_CDS 7
5V 8
GND
R1741
10k
R1742
10k
R1743
330k
R1744
2.2k
R1745
OPEN
R1746
OPEN
R1747
OPEN
SW
Q1741
UN2212-X
SW
Q1742
UN2212-X
Q1743
UN2110-X
Q1744
UN2110-X
Q1745
UN2110-X
Q1746
OPEN
Q1747
OPEN
Q1748
OPEN
Q1749
OPEN
D1744
LG22440
D1743
OPEN
GND
POWER
IC1741
OPEN
R1750
OPEN
R1758
OPEN
R1752
OPEN
R1753
OPEN
C1743
OPEN
R1748
1k
IC1742
GP1UA261XK
REMOTE
RECEIVER
C1742
47 /16
Y1701 OPEN
Y1702 OPEN
Y1703 OPEN
Y1704 OPEN

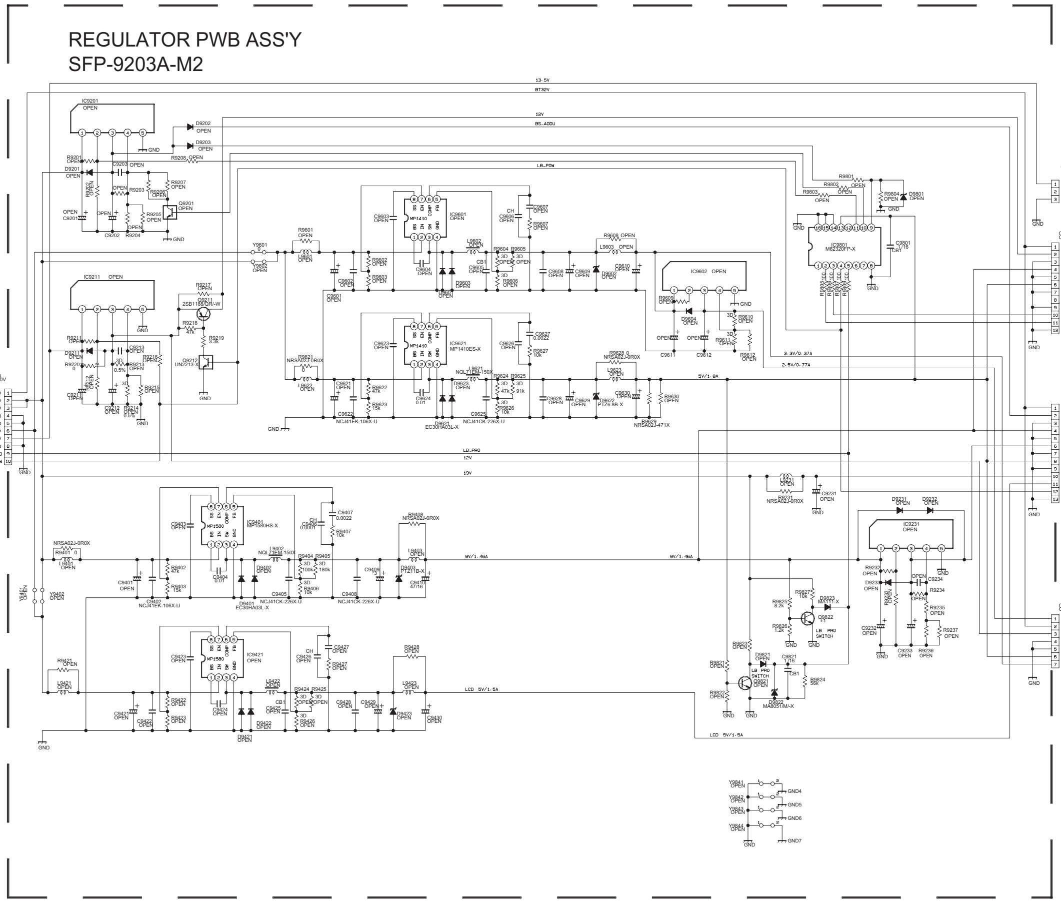
NOTE) Please refer to page 2-91 for voltages of this circuit diagram.

TEMP. SENSOR PWB CIRCUIT DIAGRAM SHEET24


TEMP. SENSOR PWB ASS'Y
SFP0T201A-M2
V
CN800V
QGA2001C1-04
INTERFACE PWB
(1/2)
CN00V (SHEET19)
STB5V 1
SCL1 2
SDA1 3
GND 4
GND
C8101
0.1
PS
GND
R8103
10k
8 7 6 5
VDD A0 A1 A2
SDA SCL INT/CPR GND
1 2 3 4
IC8101
TCN75-5.0MOA-X
TEMPERATURE_SENSOR
GND
R8101
100
R8102
100

NOTE) Please refer to page 2-91 for voltages of this circuit diagram.

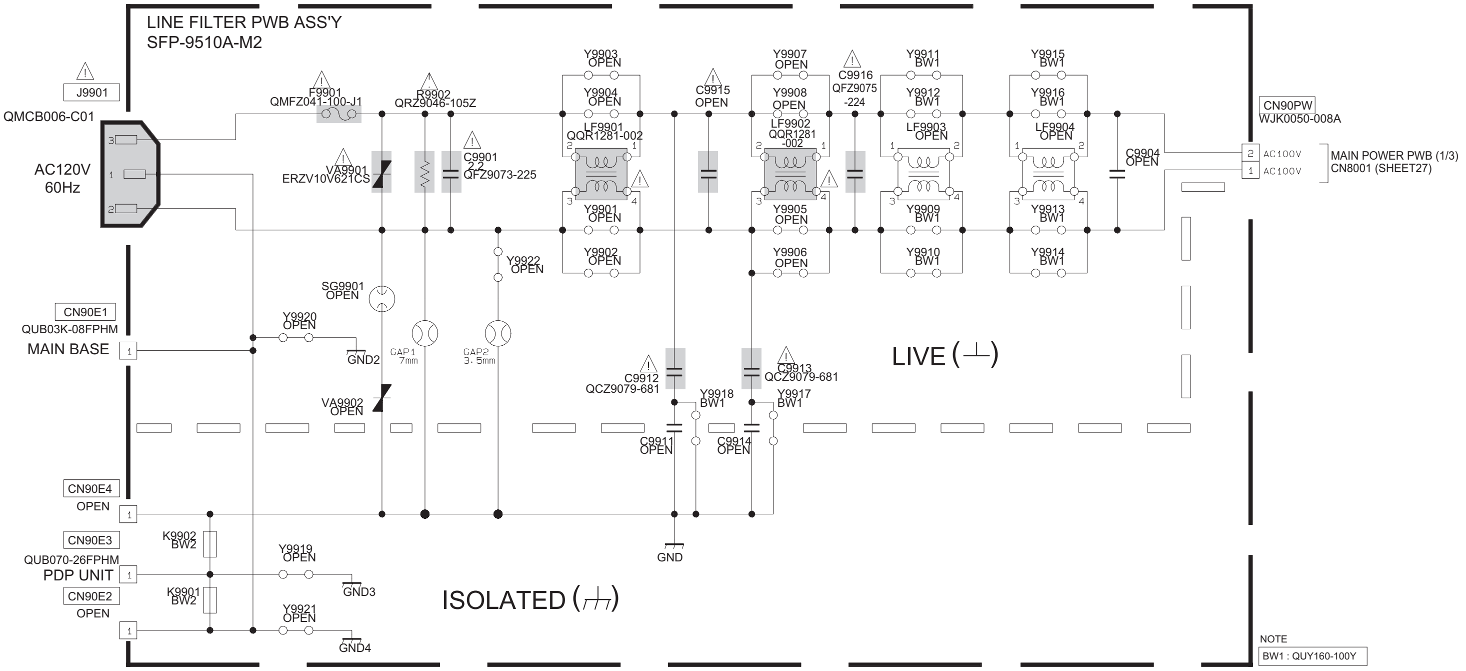
REGULATOR PWB CIRCUIT DIAGRAM SHEET25


REGULATOR PWB ASS'Y
SFP-9203A-M2
SUB POWER PWB
CN9010 (SHEET30)
ANALOG SIGNAL PWB (5/5)
CN00D (SHEET6)
DIGITAL SIGNAL PWB (11/11)
CN003 (SHEET18)
OPEN
IC9201 OPEN
IC9211 OPEN
IC9601 OPEN
IC9621 MP1410ES-X
IC9602 OPEN
IC9801 MI62220FP-X
IC9401 MP1580HS-X
IC9421 OPEN
IC9231 OPEN
13.5V
BT32V
12V
BS_AUDIO
LB_POW
LB_PRO
19V
5V/1.8A
3.3V/0.37A
2.5V/0.77A
9V/1.46A
LCD 5V/1.5A
GND

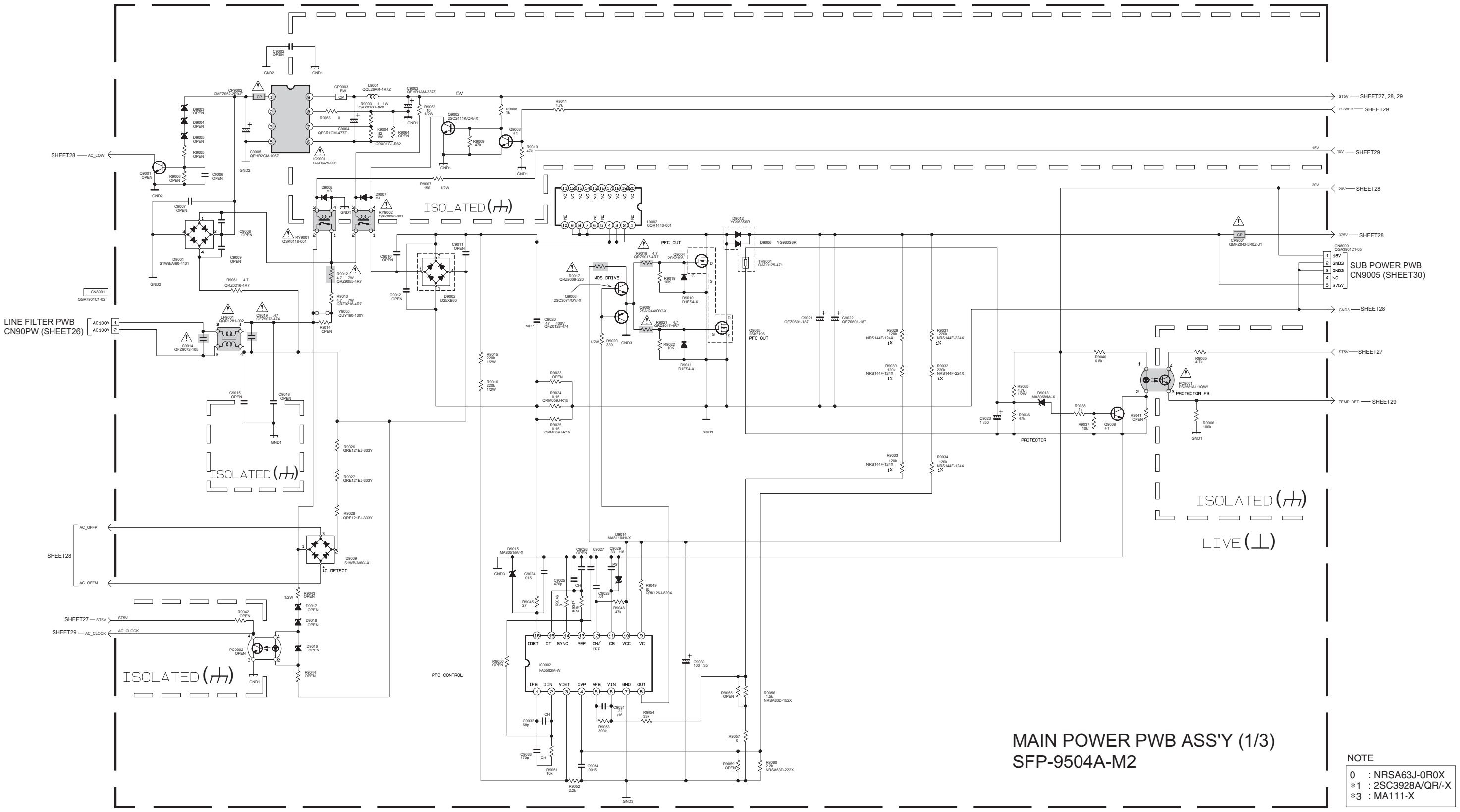
NOTE
0 : NRSA63J-0R0X
*1 : 2SC3928A/QR/-X
*3 : NEZ0022-157X

NOTE) Please refer to page 2-91 for voltages of this circuit diagram.

LINE FILTER PWB CIRCUIT DIAGRAM SHEET26


LINE FILTER PWB ASS'Y
SFP-9510A-M2
J9901
QMCB006-C01
AC120V
60Hz
F9901
QMFZ041-100-J1
R9902
QRZ9046-105Z
C9901
2.2
QFZ9073-225
VA9901
ERZV10V621CS
Y9903
OPEN
Y9904
OPEN
LF9901
QQR1281-002
Y9901
OPEN
Y9902
OPEN
C9915
OPEN
Y9907
OPEN
Y9908
OPEN
LF9902
QQR1281
-002
Y9905
OPEN
Y9906
OPEN
C9916
QFZ9075
-224
Y9911
BW1
Y9912
BW1
LF9903
OPEN
Y9909
BW1
Y9910
BW1
Y9915
BW1
Y9916
BW1
LF9904
OPEN
Y9913
BW1
Y9914
BW1
C9904
OPEN
CN90PW
WJK0050-008A
AC100V
AC100V
MAIN POWER PWB (1/3)
CN8001 (SHEET27)
Y9922
OPEN
SG9901
OPEN
CN90E1
QUB03K-08FPHM
MAIN BASE
Y9920
OPEN
GND2
GAP1
7mm
GAP2
3.5mm
VA9902
OPEN
C9912
QCZ9079-681
Y9918
BW1
C9911
OPEN
C9913
QCZ9079-681
Y9917
BW1
C9914
OPEN
LIVE (⊥)
CN90E4
OPEN
CN90E3
K9902
BW2
QUB070-26FPHM
PDP UNIT
Y9919
OPEN
GND3
CN90E2
K9901
BW2
OPEN
Y9921
OPEN
GND4
GND
ISOLATED (⏚)
NOTE
BW1 : QUY160-100Y

MAIN POWER PWB CIRCUIT DIAGRAM (1/3) SHEET27



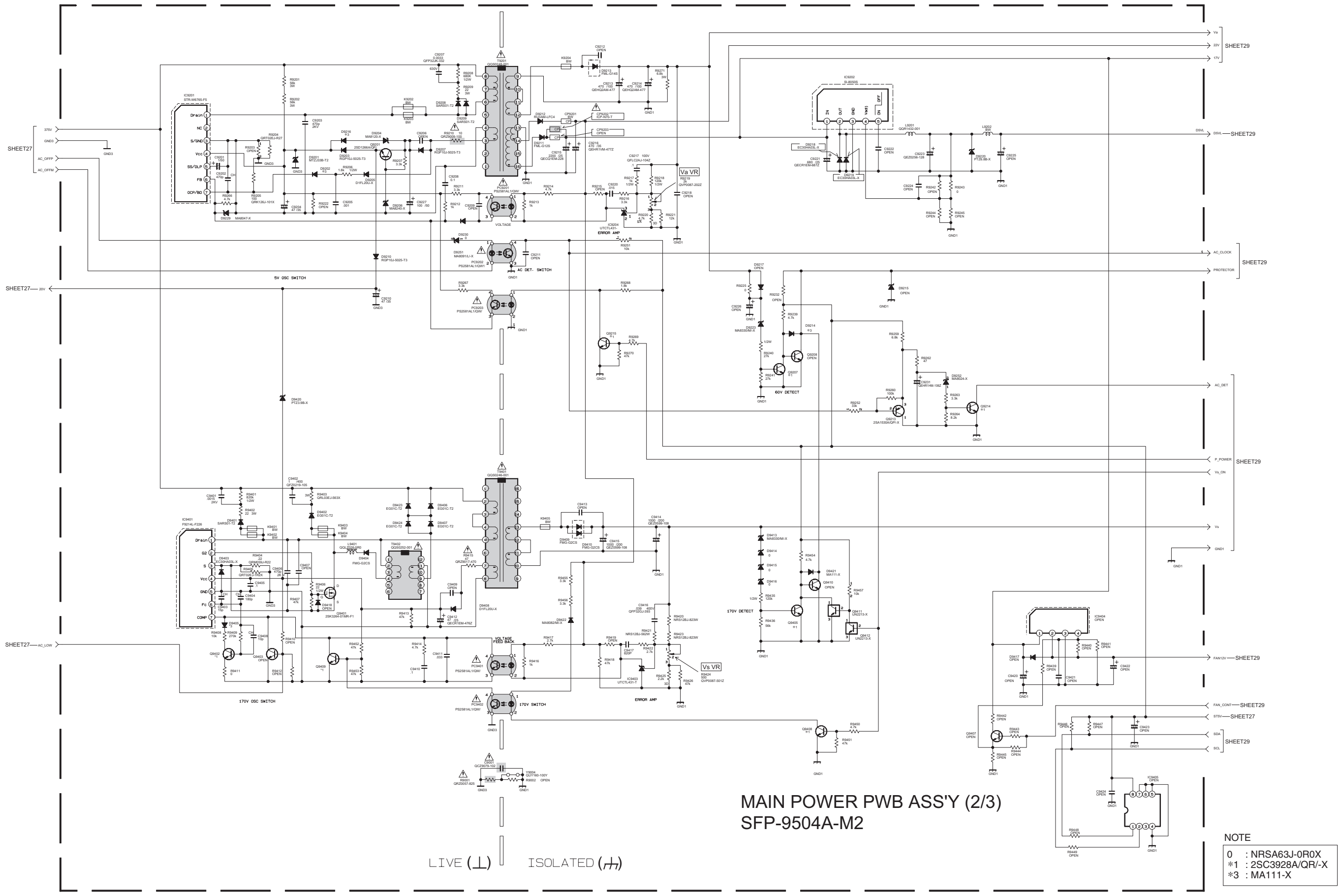
MAIN POWER PWB ASS'Y (1/3)
SFP-9504A-M2
LINE FILTER PWB
CN90PW (SHEET26)
SUB POWER PWB
CN9005 (SHEET30)
SHEET27, 28, 29
SHEET29
SHEET28
SHEET27
ISOLATED
LIVE
PFC OUT
MOS DRIVE
AC DETECT
PROTECTOR
PROTECTOR FB
PFC CONTROL
5V
IDET
CT
SYNC
REF
ON/OFF
CS
VCC
VC
IFB
IIN
VDET
OVP
VFB
VIN
GND
OUT
AC_LOW
AC_OFFP
AC_OFFM
AC_CLOCK
STBY
POWER
15V
20V
375V
GND3
TEMP_DET
18V
NC
375V
AC100V

NOTE) Please refer to page 2-91 for voltages of this circuit diagram.

NOTE

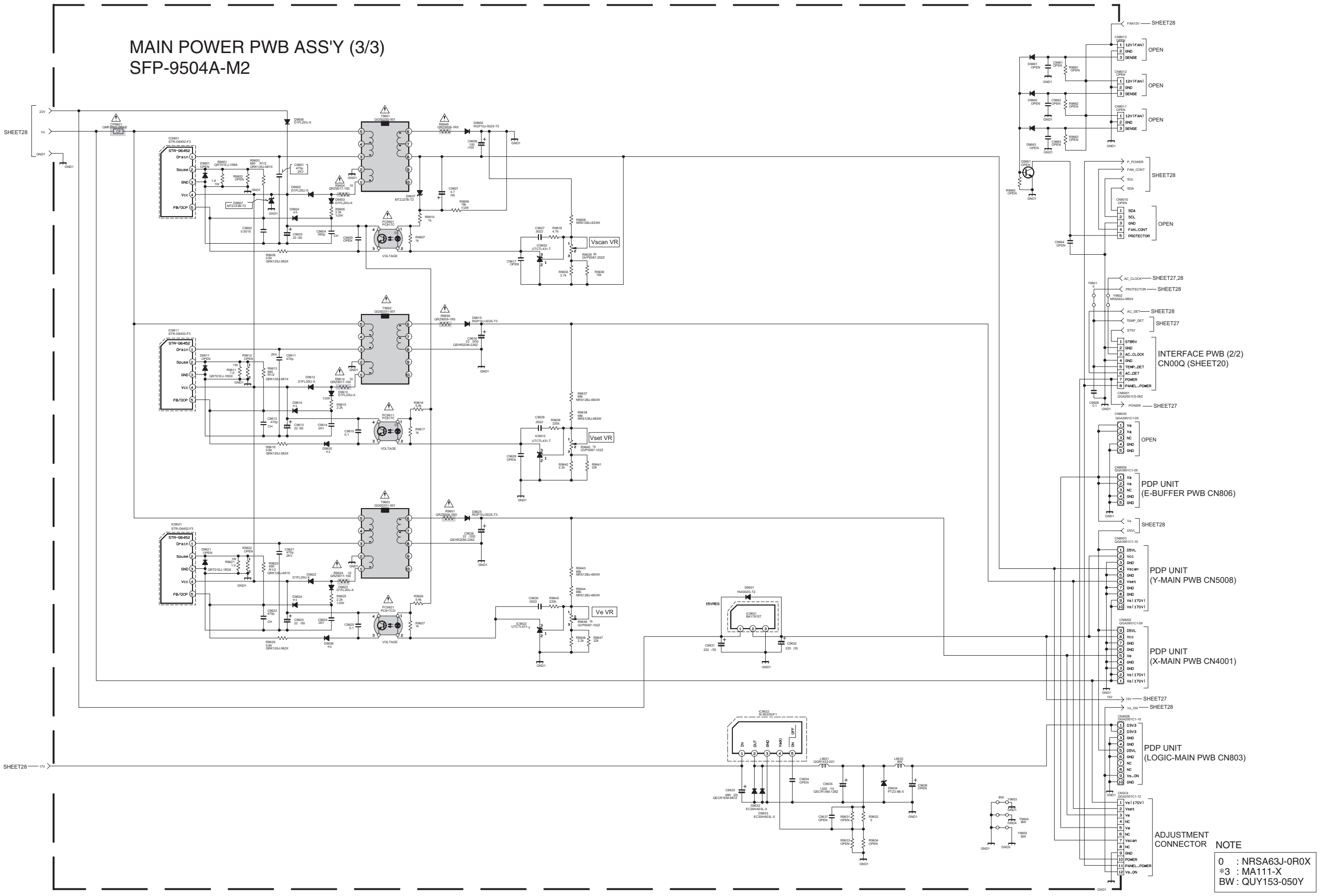
0 : NRSA63J-0R0X
∗1 : 2SC3928A/QR/-X
∗3 : MA111-X

MAIN PWB CIRCUIT DIAGRAM (2/3) SHEET28


SHEET27
SHEET29
5V OSC SWITCH
AC DET. SWITCH
VOLTAGE
ERROR AMP
Va VR
160V DETECT
170V DETECT
VOLTAGE FEED BACK
170V OSC SWITCH
170V SWITCH
Vs VR
MAIN POWER PWB ASS'Y (2/3)
SFP-9504A-M2
LIVE (⊥)
ISOLATED
NOTE
0 : NRSA63J-0R0X
*1 : 2SC3928A/QR/-X
*3 : MA111-X

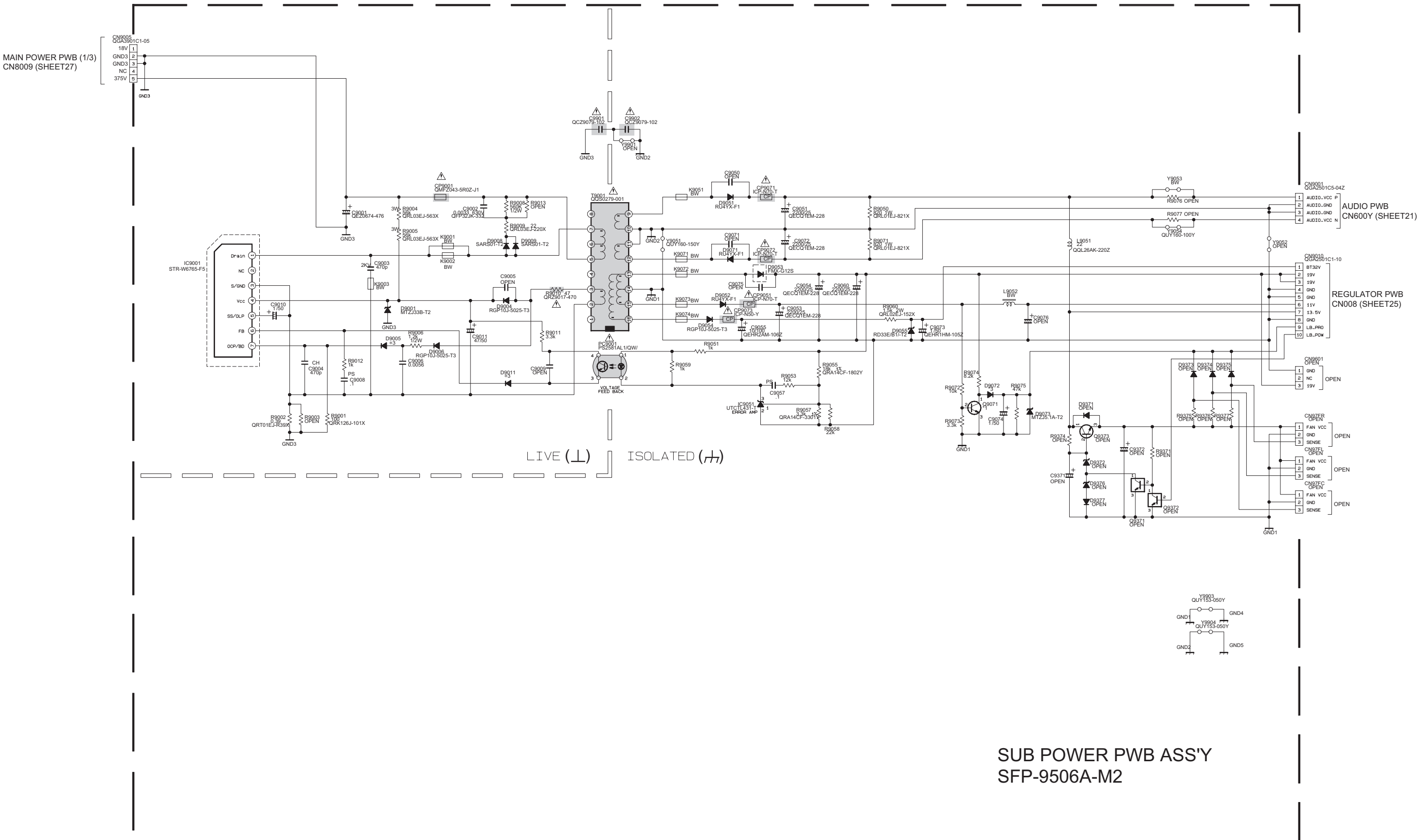
NOTE) Please refer to page 2-91 for voltages of this circuit diagram.

MAIN POWER PWB CIRCUIT DIAGRAM (3/3) SHEET29


MAIN POWER PWB ASS'Y (3/3)
SFP-9504A-M2
SHEET28
Vscan VR
Vset VR
Ve VR
OPEN
SHEET27,28
SHEET27
INTERFACE PWB (2/2)
CN00Q (SHEET20)
PDP UNIT
(E-BUFFER PWB CN806)
PDP UNIT
(Y-MAIN PWB CN5008)
PDP UNIT
(X-MAIN PWB CN4001)
PDP UNIT
(LOGIC-MAIN PWB CN803)
ADJUSTMENT
CONNECTOR
NOTE
0 : NRSA63J-0R0X
※3 : MA111-X
BW : QUY153-050Y

NOTE) Please refer to page 2-91 for voltages of this circuit diagram.

SUB POWER PWB CIRCUIT DIAGRAM SHEET30


MAIN POWER PWB (1/3)
CN8009 (SHEET27)
CN9003
18V
GND3
GND3
NC
375V
GND3
IC9001
STR-W6765-F5
Drain
NC
S/GND
Vcc
SS/OLP
FB
OCP/BD
T9051
QQS0279-001
CP9001
QMF2043-5R0Z-J1
PC9001
PS2581AL1/QW/
VOLTAGE FEED BACK
IC9051
UTC TL431-T
ERROR AMP
GND1
GND2
GND3
GND4
GND5
LIVE (⊥)
ISOLATED (⏚)
CN9001
QGA2501C5-04Z
AUDIO_VCC P
AUDIO_GND
AUDIO_GND
AUDIO_VCC N
AUDIO PWB
CN600Y (SHEET21)
CN9010
QGA2501C1-10
BT32V
19V
19V
GND
GND
11V
13.5V
GND
LB_PRO
LB_POW
REGULATOR PWB
CN008 (SHEET25)
CN9601
GND
NC
19V
OPEN
CN9070
FAN VCC
GND
SENSE
OPEN
Y9603
QUY153-050Y
Y9604
QUY153-050Y

SUB POWER PWB ASS'Y
SFP-9506A-M2

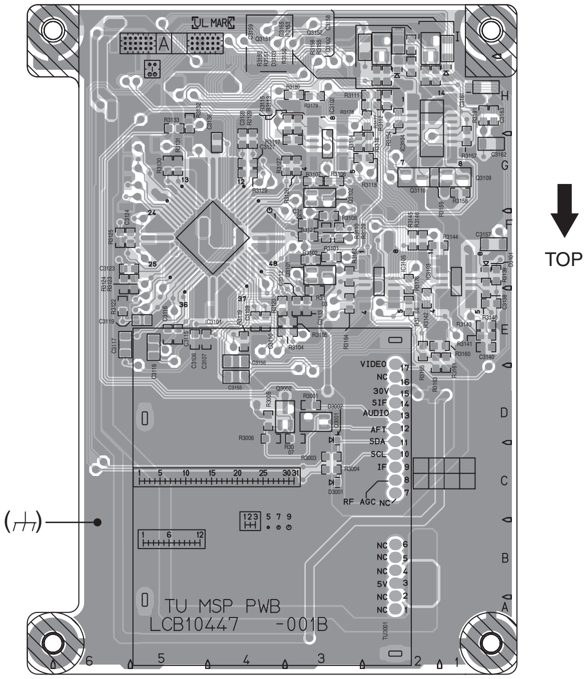
NOTE

0	: NRSA63J-0R0X
※3	: MA111-X
BW	: QUY153-050Y

NOTE) Please refer to page 2-91 for voltages of this circuit diagram.

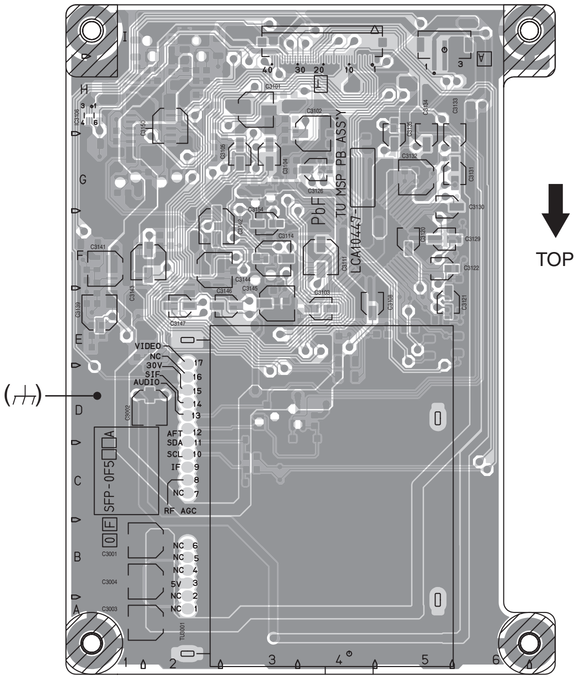
PATTERN DIAGRAMS

RECEIVER PWB PATTERN [SOLDER SIDE]



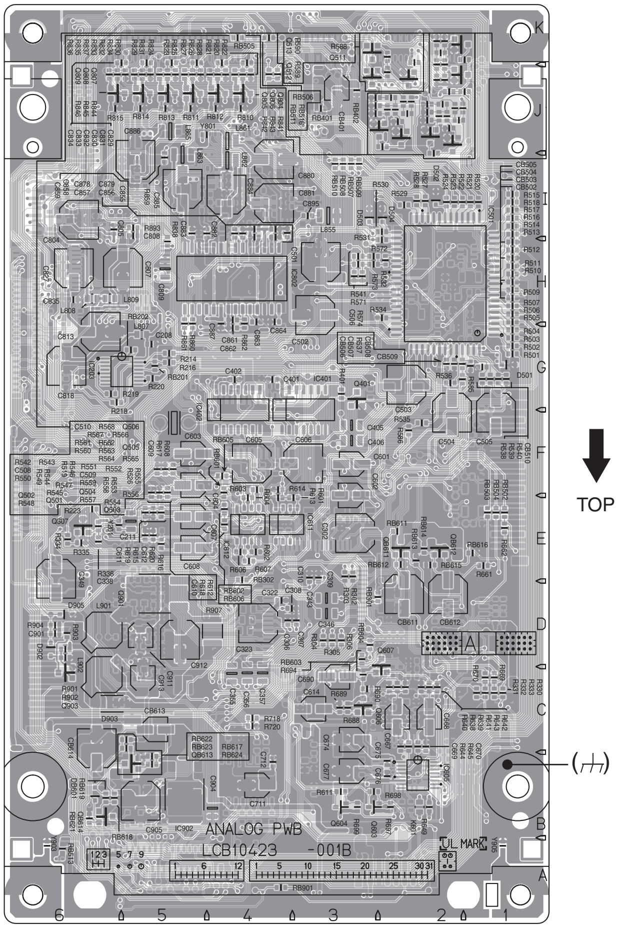
TOP
UL MARK
A
VIDEO 17
NC 16
30V 15
SIF 14
AUDIO 13
AFT 12
SDA 11
SCL 10
IF 9
8
7
RF AGC NC
NC 6
NC 5
NC 4
5V 3
NC 2
NC 1
TU MSP PWB
LCB10447 -001B
A
B
C
D
E
F
G
H
I
6
5
4
3
2
1

RECEIVER PWB PATTERN [PARTS SIDE]

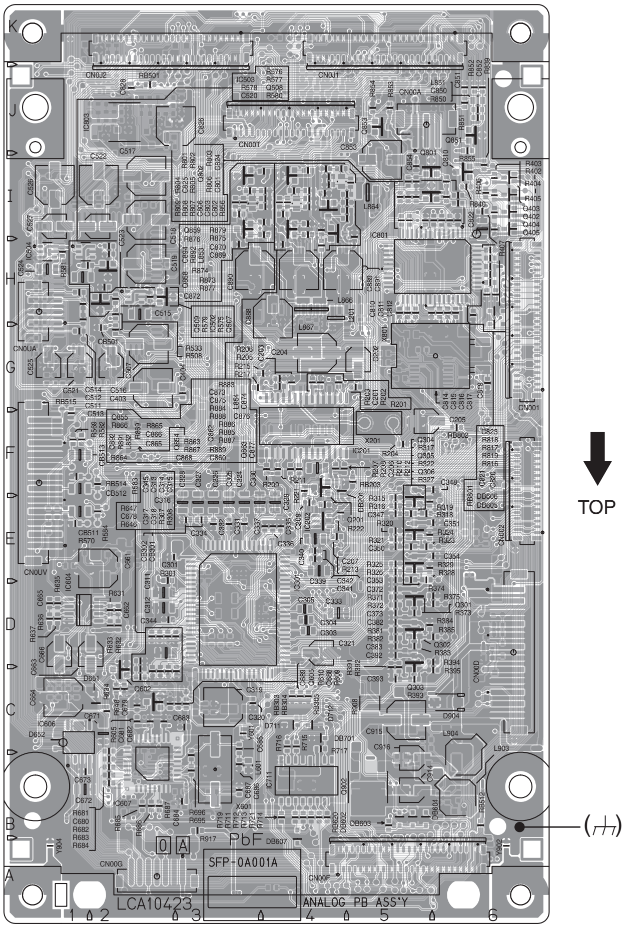


TOP
TU MSP PB ASS'Y
LCA10447
PbF
SFP-0F5
A
0F
40
30
20
10
VIDEO 17
NC 16
30V 15
SIF 14
AUDIO 13
AFT 12
SDA 11
SCL 10
IF 9
8
NC 7
RF AGC
NC 6
NC 5
NC 4
5V 3
NC 2
NC 1
A
B
C
D
E
F
G
H
I
1
2
3
4
5
6

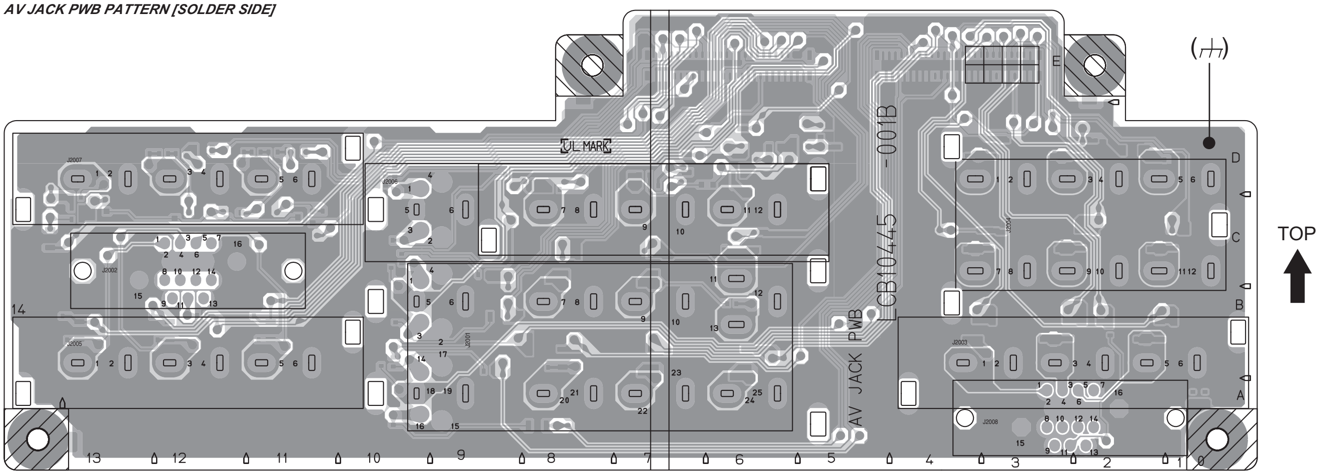
ANALOG SIGNAL PWB PATTERN [SOLDER SIDE]


ANALOG PWB
LCB10423 -001B
UL MARK
TOP
(⏚)
K
J
I
H
G
F
E
D
C
B
A
6
5
4
3
2
1

ANALOG SIGNAL PWB PATTERN [PARTS SIDE]

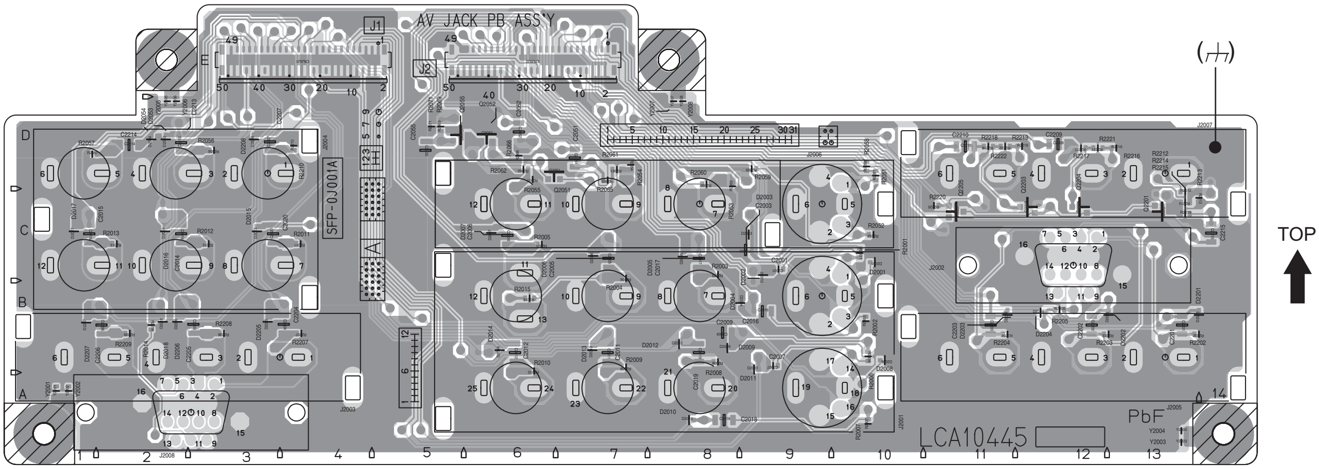

LCA10423
ANALOG PB ASS'Y
SFP-0A001A
PbF
0A
TOP
(⏚)
K
J
I
H
G
F
E
D
C
B
A
1
2
3
4
5
6

AV JACK PWB PATTERN [SOLDER SIDE]



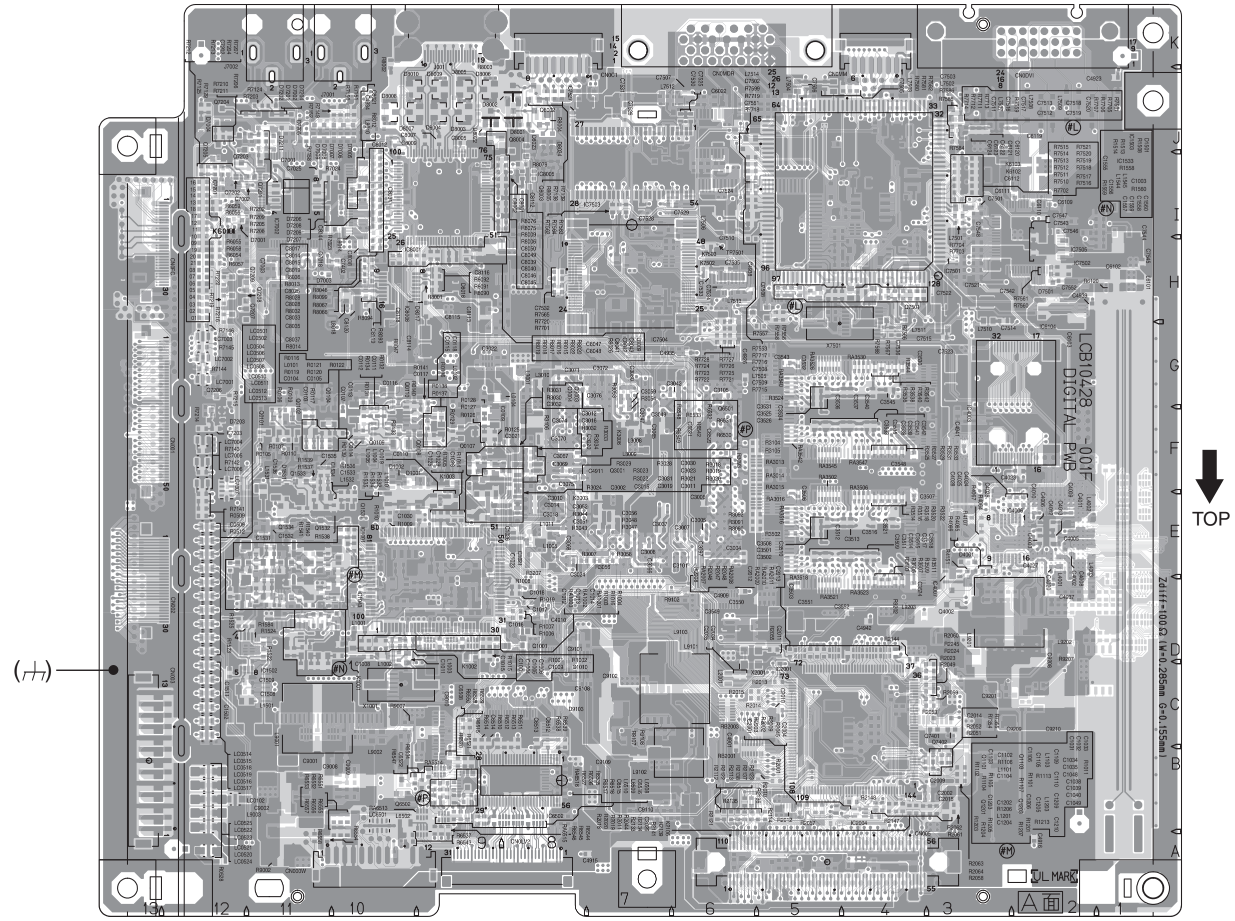
(ㅓ)
TOP
AV JACK PWB CB10445-001B
UL MARK
J2007
J2002
J2005
J2006
J2001
J2004
J2003
J2008
A
B
C
D
E
13
12
11
10
9
8
7
6
5
4
3
2
1
0
14

AV JACK PWB PATTERN [PARTS SIDE]



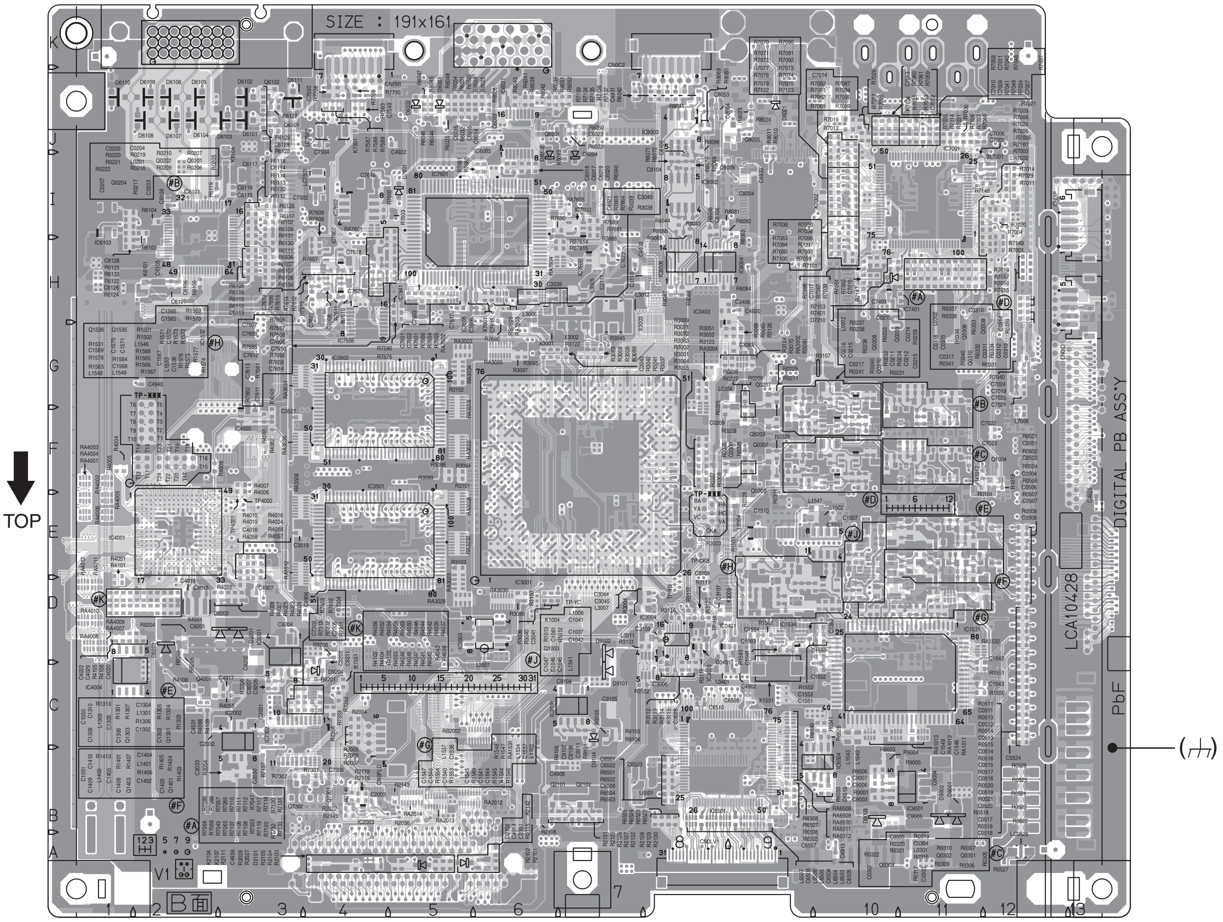
(ㅓ)
TOP
AV JACK PB ASS'Y
J1
J2
SFP-0J001A
LCA10445
PbF
J2007
J2004
J2006
J2002
J2003
J2008
J2001
J2005
Y2004
Y2003
A
B
C
D
E
1
2
3
4
5
6
7
8
9
10
11
12
13
14

DIGITAL SIGNAL PWB PATTERN [SOLDER SIDE]



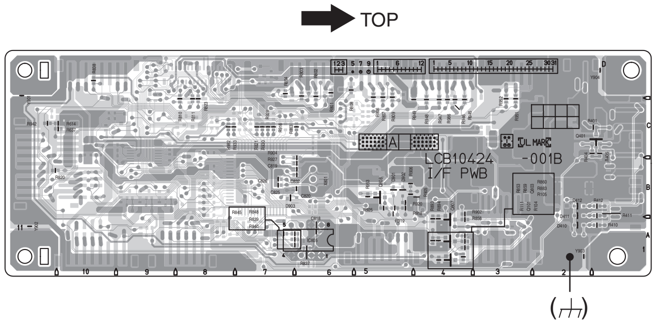
LCB10428 -001F
DIGITAL PWB
TOP
K
J
I
H
G
F
E
D
C
B
A
13
12
11
10
9
8
7
6
5
4
3
2
1
#N
#M
#P
#L
UL MARK
A面
Zdiff=100Ω (W=0.285mm G=0.155mm)

DIGITAL SIGNAL PWB PATTERN [PARTS SIDE]

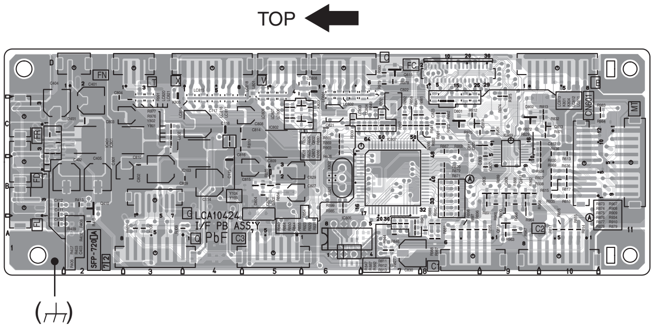


SIZE : 191x161
TOP
DIGITAL PB ASSY
LCA10428
PbF
K
J
I
H
G
F
E
D
C
B
A
1
2
3
4
5
6
7
8
9
10
11
12
13

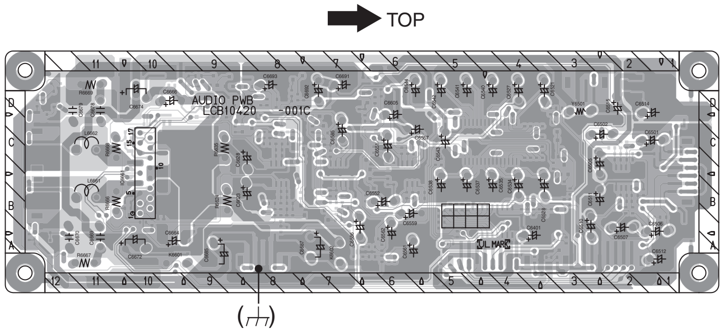
INTERFACE PWB PATTERN [SOLDER SIDE]


TOP
LCB10424 -001B
I/F PWB
A
(⏚)

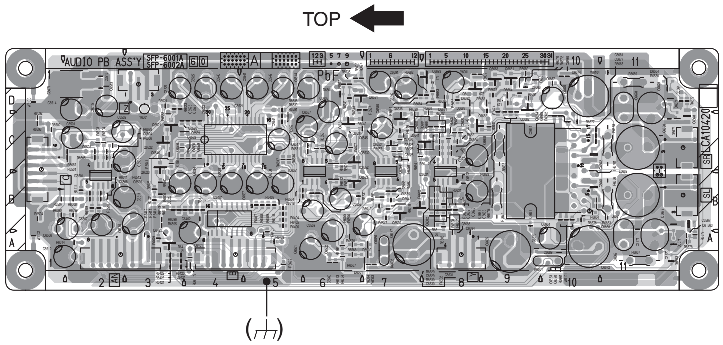
INTERFACE PWB PATTERN [PARTS SIDE]


TOP
LCA10424
I/F PB ASS'Y
PbF
(⏚)

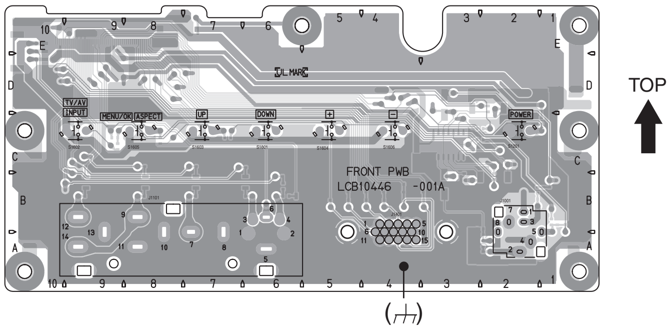
AUDIO PWB PATTERN [SOLDER SIDE]


TOP
AUDIO PWB
LCB10420 -001C
(⏚)

AUDIO PWB PATTERN [PARTS SIDE]

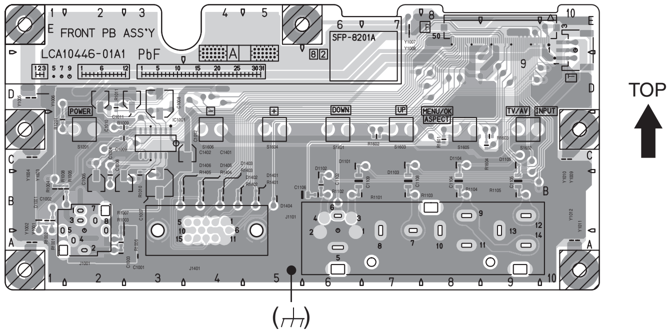

TOP
AUDIO PB ASS'Y
SFP-6001A
SFP-6002A
PbF
LCA10420
(⏚)

FRONT CONTROL PWB PATTERN [SOLDER SIDE]



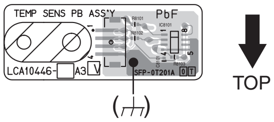
FRONT PWB
LCB10446 -001A
TV/AV
INPUT
MENU/OK
ASPECT
UP
DOWN
+
−
POWER
TOP

FRONT CONTROL PWB PATTERN [PARTS SIDE]



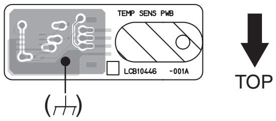
FRONT PB ASS'Y
LCA10446-01A1 PbF
SFP-8201A
POWER
−
+
DOWN
UP
MENU/OK
ASPECT
TV/AV
INPUT
TOP

TEMP. SENSOR PWB PATTERN [SOLDER SIDE]



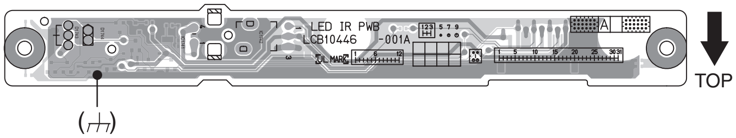
TEMP SENS PB ASS'Y
PbF
LCA10446-
A3
SFP-0T201A
TOP

TEMP. SENSOR PWB PATTERN [PARTS SIDE]



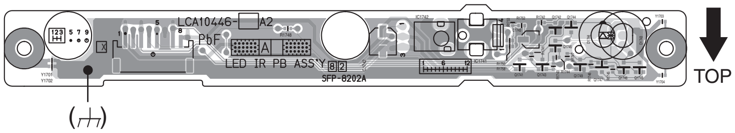
TEMP SENS PWB
LCB10446 -001A
TOP

FRONT LED PWB PATTERN [SOLDER SIDE]



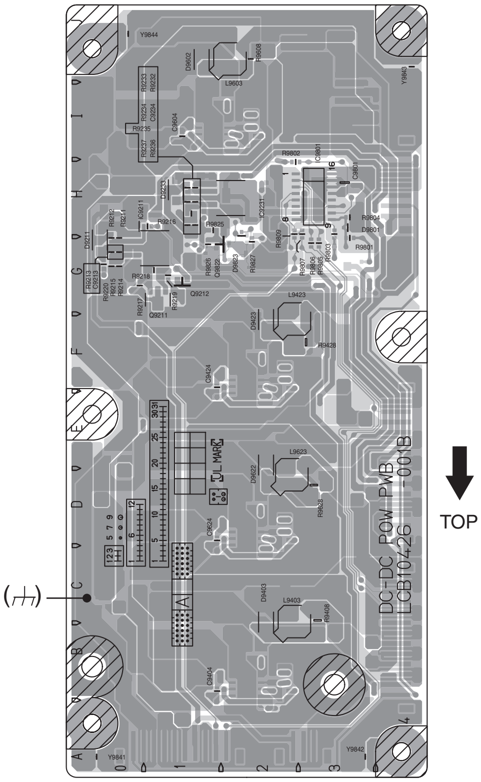
LED IR PWB
LCB10446 -001A
TOP

FRONT LED PWB PATTERN [PARTS SIDE]

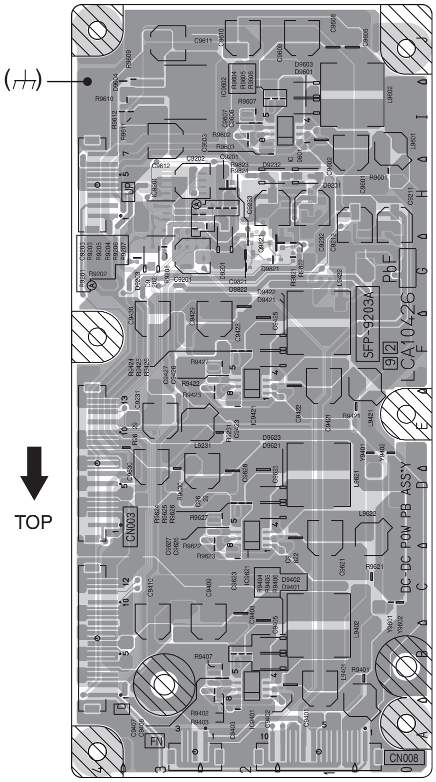


LCA10446-
A2
PbF
LED IR PB ASS'Y
SFP-8202A
TOP

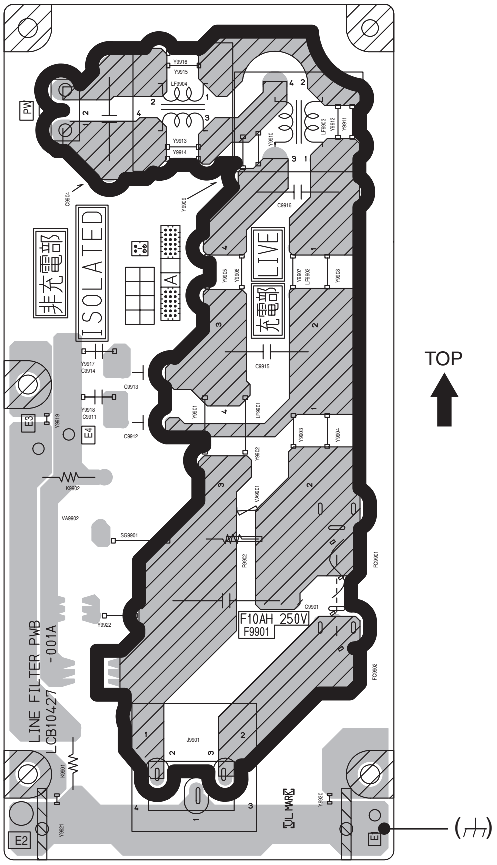
REGULATOR PWB PATTERN [SOLDER SIDE]


DC-DC POW PWB
LCB10426-001B
UL MARK
TOP
(⏚)

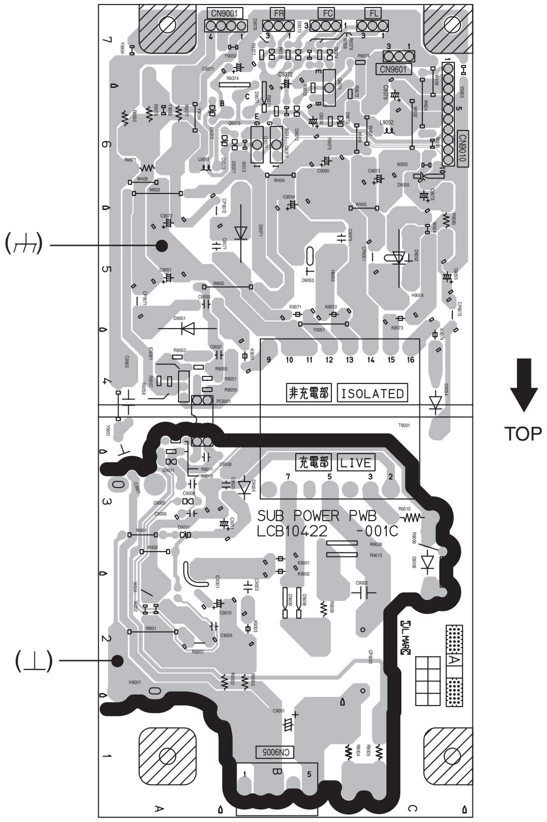
REGULATOR PWB PATTERN [PARTS SIDE]


(⏚)
TOP
SFP-9203A
LCA10426
DC-DC POW PB ASS'Y
CN003
CN008

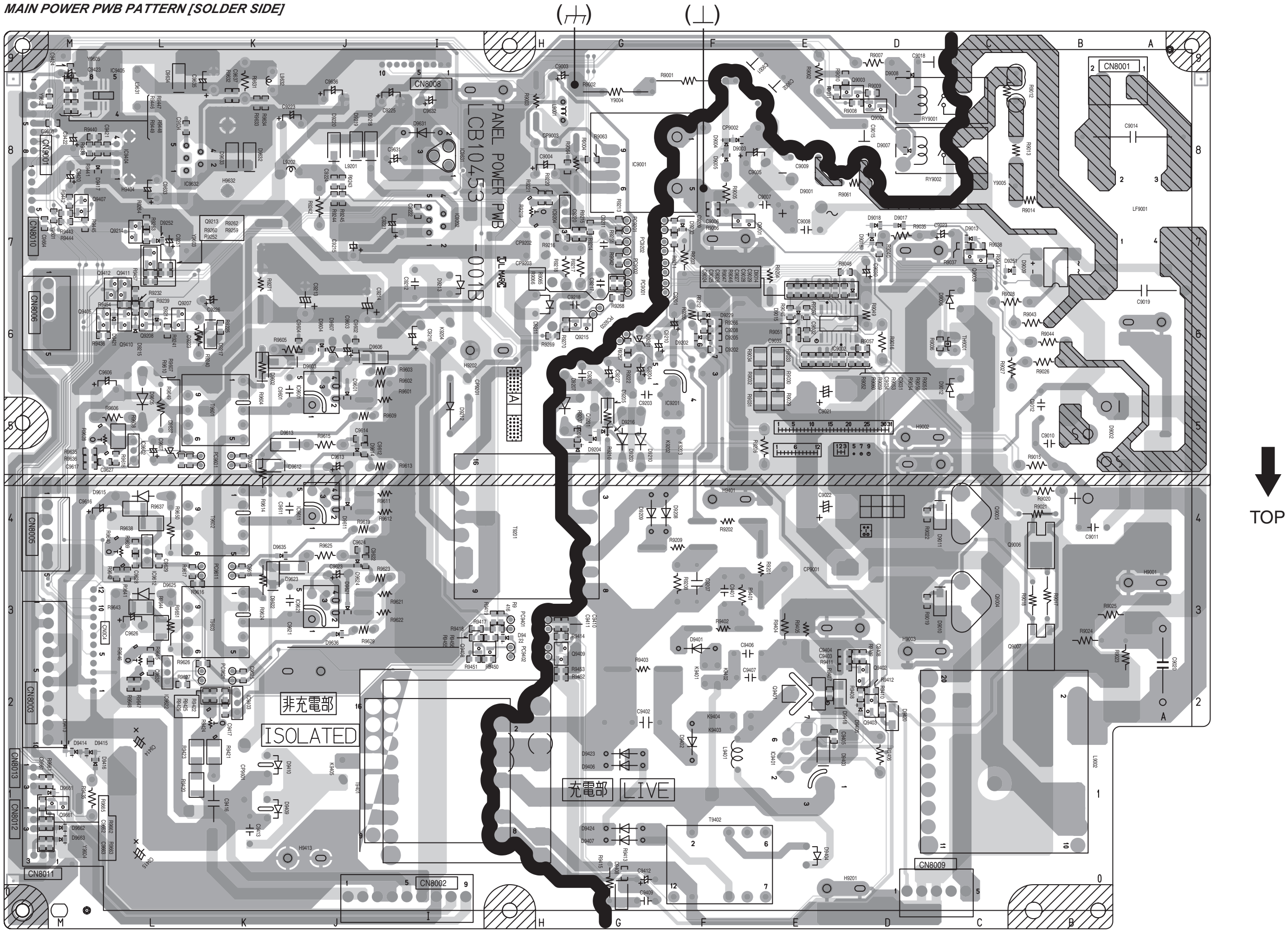
LINE FILTER PWB PATTERN


PW
Y9916
Y9915
LF9904
Y9913
Y9914
C9904
Y9903
C9916
非充電部
ISOLATED
A
充電部
LIVE
LF9903
LF9902
C9915
Y9917
C9914
C9913
Y9918
C9911
C9912
E3
E4
R9902
VA9902
SG9901
Y9922
LINE FILTER PWB
LCB10427 -001A
F10AH 250V
F9901
C9901
FC9901
FC9902
J9901
Y9921
E2
E1
TOP
(⏚)

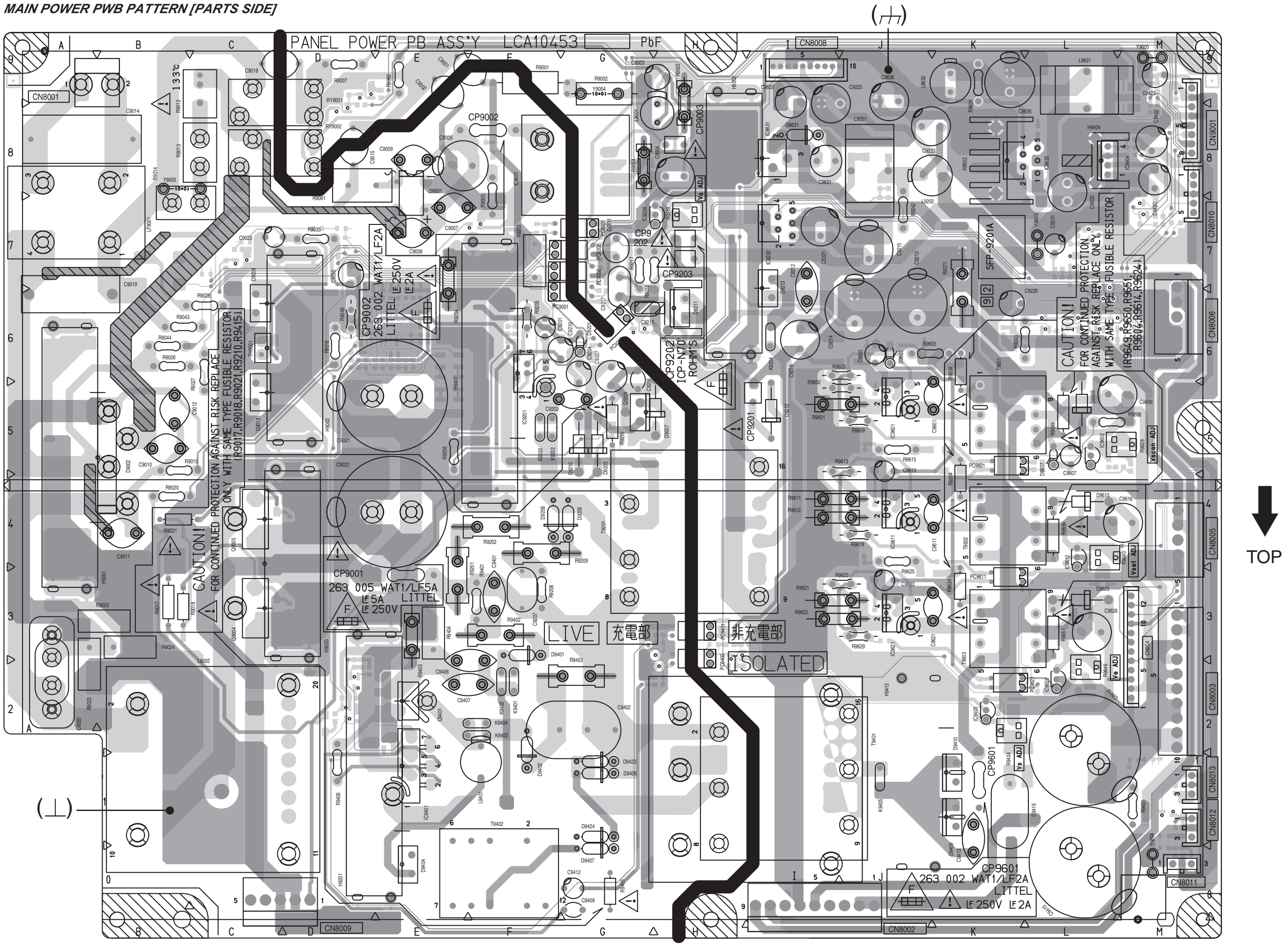
SUB POWER PWB PATTERN


CN9001
FR
FC
FL
CN9601
CN9010
7
6
5
4
3
2
1
A
B
C
9
10
11
12
13
14
15
16
非充電部
ISOLATED
充電部
LIVE
7
5
3
2
SUB POWER PWB
LCB10422 -001C
T9001
CN9005
(⏚)
(⊥)
TOP

MAIN POWER PWB PATTERN [SOLDER SIDE]


(⏚)
(⊥)
TOP
PANEL POWER PWB
LCB10453-001B
非充電部
ISOLATED
充電部
LIVE
CN8001
CN8002
CN8003
CN8005
CN8006
CN8008
CN8009
CN8010
CN8011
CN8012
CN8013
A
B
C
D
E
F
G
H
I
J
K
L
M

MAIN POWER PWB PATTERN [PARTS SIDE]


PANEL POWER PB ASS'Y LCA10453
PbF
(⏚)
(⊥)
TOP
CN8001
CN8008
CN8009
CN8002
CN8011
CN8012
CN8013
CN8003
CN8005
CN8006
CN8010
CN9001
CP9002
263 002 WAT1/LF2A
LITTEL LF 250V LF 2A
CP9003
CP9202
ICP-N70
ROHM'S
CP9203
CP9201
CP9001
263 005 WAT1/LF5A
LITTEL
LF 5A
LF 250V
CP9601
263 002 WAT1/LF2A
LITTEL
LF 250V LF 2A
CAUTION!
FOR CONTINUED PROTECTION AGAINST RISK REPLACE
ONLY WITH SAME TYPE FUSIBLE RESISTOR
(R9017,R9018,R9021,R9210,R9415)
CAUTION!
FOR CONTINUED PROTECTION
AGAINST RISK REPLACE ONLY
WITH SAME TYPE FUSIBLE RESISTOR
(R9649,R9650,R9651,R9614,R9624)
LIVE
充電部
非充電部
ISOLATED
SFP-9201A
133℃
Vs ADJ
Va ADJ
Vset ADJ
Vscan ADJ
A
B
C
D
E
F
G
H
I
J
K
L
M
9
8
7
6
5
4
3
2

VOLTAGE CHART

< RECEIVER PWB >

[P.2-9 - P.2-10]

PIN NO.	VOLTAGE(V)
IC3101	
1	4.1
2	4.1
3	4.1
4	4.1
5	4.4
6	4.5
7	0.1
8	4.1
9	4.0
10	4.1
11	4.0
12	3.4
13	4.0
14	1.3
15	1.3
16	0
17	0
18	3.3
19	9.0
20	0
21	4.0
22	4.1
23	4.2
24	3.9
25	4.1
26	4.1
27	4.1
28	2.2
29	4.1
30	4.1
31	2.0
32	4.0
33	4.1
34	4.1
35	4.1
36	4.1
37	4.1
38	4.1
39	4.0
40	4.0
41	1.2
42	4.1
43	4.0
44	4.1
45	4.1
46	4.1
47	4.1
48	4.1
IC3102	
1	4.5
2	4.6
3	4.5
4	0
5	4.5
6	4.5
7	4.6
8	9.0
IC3104	
1	4.5
2	4.6
3	4.5
4	4.5
5	0
6	0
7	0
8	4.5
9	4.5
10	4.5
11	4.5
12	9.0
13	9.0
14	9.0
IC3105	
1	4.5
2	4.5
3	4.5
4	0
5	4.5
6	4.5
7	4.5
8	9.0
Q3001	
E	3.8
C	0
B	3.2
Q3002	
E	3.2
C	9.0
B	3.8
Q3109	
E	0
C	9.0
B	0
Q3110	
E	0
C	0
B	3.3
TU3001	
1	0
2	0
3	4.8
4	0
5	0
6	0
7	1.8
8	2.0
9	0
10	4.2
11	4.8
12	3.2
13	2.7
14	0
15	31.0
16	0
17	2.0

< ANALOG SIGNAL PWB >

[P.2-11 - P.2-12]

PIN NO.	VOLTAGE(V)
IC501	
1	4.0
2	4.5
3	3.9
4	0
5	4.5
6	0
7	4.9
8	4.3
9	4.5
10	4.2
11	4.5
12	4.5
13	0.2
14	0
15	4.0
16	4.5
17	4.0
18	4.5
19	4.5
20	0
21	5.0
22	4.0
23	4.5
24	4.0
25	4.5
26	4.5
27	0.1
28	5.0
29	4.5
30	4.0
31	4.5
32	9.1
33	4.4
34	4.4
35	0
36	4.5
37	4.5
38	4.5
39	3.7
40	4.5
41	4.2
42	9.1
43	4.5
44	4.1
45	4.5
46	3.7
47	3.5
48	0
49	0
50	4.4
51	4.5
52	4.6
53	4.3
54	4.4
55	3.6
56	3.9
57	0
58	1.3
59	4.5
60	4.3
61	4.5
62	4.5
63	4.3
64	4.5

[P.2-13 - P.2-14]

PIN NO.	VOLTAGE(V)
IC711	
1	0
2	2.5
3	4.6
4	0.4
5	2.2
6	4.5
7	0.4
8	0
9	2.5
10	0
11	5.0
12	4.9
13	0
14	4.4
15	4.4
16	4.9
IC801	
1	2.2
2	1.9
3	1.2
4	0
5	2.1
6	0
7	0
8	0
9	0.3
10	0.8
11	2.3
12	4.8
13	4.4
14	4.5
15	0
16	0
17	0
18	0
19	0
20	2.4
21	1.5
22	1.7
23	1.7
24	0
25	2.1
26	2.1
27	2.1
28	0
29	0
30	0
31	0
32	4.8
33	2.1
34	2.3
35	2.3
36	0
37	4.9
38	3.8
39	1.6
40	3.1
41	2.1
42	4.4
43	1.6
44	2.1
45	0
46	2.6
47	3.6
48	1.7
IC802	
1	1.3
2	3.0
3	4.8
4	2.4
5	0
6	1.8
7	2.2
8	0
9	0
10	0
11	4.7
12	0
13	4.8
14	0
15	4.4
16	4.6
17	0
18	0
19	2.4
20	4.8
21	0
22	2.4
23	2.4
24	3.3
25	3.1
26	0
27	3.5
28	1.6
Q402	
S	2.9
D	3.0
G	4.4
Q403	
S	3.0
D	2.9
G	4.4
Q404	
S	2.9
D	3.2
G	4.8
Q405	
S	2.9
D	3.2
G	4.8
Q801	
E	2.7
C	0
B	2.1
Q802	
E	2.5
C	0
B	2.0
Q810	
E	1.8
C	0
B	1.2
Q851	
E	1.6
C	0
B	1.0
Q853	
E	2.0
C	9.0
B	2.7
Q854	
E	2.5
C	9.0
B	3.1
Q855	
E	1.8
C	0
B	1.1
Q858	
E	2.9
C	9.0
B	3.5
Q859	
E	3.5
C	0
B	2.9
Q862	
E	0.9
C	3.8
B	1.4
Q863	
E	3.2
C	4.8
B	3.8

[P.2-15 - P.2-16]

PIN NO.	VOLTAGE(V)
IC201	
1	0.3
2	0.2
3	0
4	0
5	0
6	0
7	6.2
8	0
9	4.9
10	0
11	8.8
12	1.3
13	0
14	0
15	0
16	0
17	0
18	0
19	0.5
20	0
21	4.5
22	4.4
23	0
24	2.0
25	1.3
26	2.1
27	0
28	0.3
29	0.1
30	4.8
IC202	
1	0.5
2	0.5
3	0
4	0.2
5	3.1
IC301	
1	4.8
2	4.5
3	4.4
4	0
5	4.6
6	0
7	4.7
8	4.7
9	4.7
10	0.5
11	4.5
12	4.5
13	0
14	4.7
15	0
16	4.7
17	4.7
18	4.7
19	0.4
20	4.5
21	4.5
22	0
23	4.5
24	4.4
25	0
26	0
27	4.3
28	0
29	00
30	4.3
31	9.1
32	4.5
33	0
34	0
35	4.5
36	4.5
37	0
38	4.5
39	4.5
40	4.5
41	4.5
42	0
43	4.6
44	4.5
45	0
46	4.5
47	9.0
48	4.7
49	0
50	0
51	0
52	4.6
53	0.5
54	0
55	4.5
56	0
57	4.7
58	0
59	4.6
60	0
61	4.7
62	0.4
63	4.5
64	4.5
65	0
66	4.6
67	4.6
68	4.6
69	0
70	4.5
71	4.5
72	0
73	4.8
74	4.7
75	4.7
76	4.6
77	0
78	4.5
79	4.5
80	0
Q307	
E	2.9
C	0
B	2.3
QB613	
E	0
C	4.9
B	-0.1
QB614	
E	4.5
C	-1.1
B	4.9

[P.2-19 - P.2-20]

PIN NO.	VOLTAGE(V)
IC902	
1	4.9
2	0
3	3.3
Q901	
E	9.8
C	9.1
B	9.0
Q902	
E	5.6
C	4.9
B	4.8

< AV JACK PWB >

[P.2-21 - P.2-22]

PIN NO.	VOLTAGE(V)
Q2203	
E	0
C	0
B	2.2
Q2204	
E	0
C	0
B	2.3
Q2205	
E	2.4
C	2.3
B	1.9

< DIGITAL SIGNAL PWB >

[P.2-23 - P.2-24]

PIN NO.	VOLTAGE(V)
IC1502	
1	4.3
2	0
3	3.7
4	0
5	0
6	9.1
7	3.6
8	0

[P.2-25 - P.2-26]

PIN NO.	VOLTAGE(V)
IC0401	
1	3.1
2	0.2
3	0
4	3.1
5	3.3
Q0101	
E	3.8
C	7.8
B	4.4
Q0102	
E	8.5
C	4.6
B	7.8
Q0104	
E	5.3
C	0
B	4.6
Q0107	
E	1.5
C	0
B	0.8
Q0108	
E	0.9
C	9.1
B	1.3
Q0109	
1	1.5
2	0.1
3	1.5
4	1.5
5	0.1
6	1.4
Q0110	
1	0
2	0.6
3	0.6
4	0.2
5	0.6
6	0.1
Q0201	
E	3.8
C	7.8
B	4.5
Q0202	
E	8.6
C	4.9
B	7.8
Q0203	
E	0
C	1.7
B	0
Q0204	
E	5.7
C	0
B	5.0
Q0207	
E	2.5
C	0
B	1.8
Q0208	
E	1.8
C	9.1
B	2.4
Q0209	
1	2.4
2	0.1
3	2.4
4	2.5
5	0.2
6	2.4
Q0210	
1	0
2	0.6
3	0.6
4	0.2
5	0.6
6	0.1
Q0301	
E	0
C	7.8
B	4.4
Q0302	
E	8.5
C	4.9
B	7.8
Q0303	
E	0
C	1.8
B	0
Q0304	
E	5.7
C	0
B	5.0
Q0307	
E	2.5
C	0
B	1.8
Q0308	
E	1.8
C	9.1
B	2.4
Q0309	
1	2.4
2	0.2
3	2.4
4	2.5
5	0.2
6	2.5
Q0310	
1	0
2	0.6
3	0.6
4	0.2
5	0.6
6	0.1

[P.2-27 - P.2-28]

PIN NO.	VOLTAGE(V)
IC1001	
1	2.5
2	1.2
3	1.2
4	0
5	3.3
6	1.7
7	1.6
8	0
9	0
10	1.5
11	0
12	0
13	0
14	0
15	0
16	0
17	1.5
18	0
19	0
20	0
21	1.5
22	0
23	0
24	3.3
25	0
26	0
27	0
28	0
29	0
30	3.3
31	3.2
32	3.2
33	0
34	0
35	0
36	1.5
37	0
38	0
39	0
40	0
41	0
42	3.3
43	0.5
44	0.9
45	0
46	0.6
47	1.8
48	1.4
49	1.3
50	0
51	1.4
52	0
53	2.4
54	1.2
55	1.3
56	0
57	0
58	1.5
59	1.5
60	0
61	0
62	0
63	1.2
64	3.3
65	1.1
66	1.1
67	0
68	1.1
69	1.0
70	1.5
71	1.0
72	1.0
73	0
74	2.2
75	0.2
76	0
77	1.6
78	1.6
79	0
80	1.1
81	0.9
82	1.7
83	1.2
84	0
85	1.1
86	2.3
87	0.7
88	0.8
89	1.7
90	1.2
91	2.4
92	1.2
93	0
94	1.2
95	0.7
96	2.4
97	1.9
98	0
99	1.1
100	1.4
Q1001	
E	0
C	3.3
B	0
Q1003	
E	1.3
C	2.4
B	2.0
Q1004	
E	4.2
C	0
B	3.6
Q1101	
E	3.0
C	9.1
B	3.6
Q1103	
E	1.7
C	0
B	1.1
Q1201	
E	3.8
C	9.1
B	4.5
Q1203	
E	2.1
C	0
B	1.4
Q1301	
E	3.9
C	9.1
B	4.5
Q1303	
E	2.6
C	0
B	2.0
Q1401	
E	3.9
C	9.1
B	4.6
Q1403	
E	2.6
C	0
B	1.9

[P.2-31 - P.2-32]

PIN NO.	VOLTAGE(V)
IC3005	
1	0.9
2	0.9
3	0
4	0
5	3.3
IC3006	
1	3.3
2	0.2
3	0
4	0
5	0.1
6	0.2
7	3.3
8	3.3
IC3403	
1	0
2	3.2
3	0
4	3.3
IC3501	
1	1.2
2	2.5
3	1.2
4	1.2
5	0
6	1.2
7	1.2
8	2.4
9	1.2
10	1.2
11	0
12	1.2
13	1.2
14	2.5
15	2.5
16	0
17	1.2
18	1.2
19	0
20	1.2
21	1.2
22	2.5
23	0.3
24	0.3
25	1.7
26	1.7
27	1.7
28	0
29	0.7
30	0.7
31	0.7
32	0.7
33	0.7
34	0.7
35	2.4
36	0.6
37	0
38	0
39	0
40	0
41	0
42	0
43	0
44	0
45	0.7
46	0
47	0.6
48	0.6
49	0.7
50	0.7
51	0.7
52	0
53	1.8
54	1.3
55	1.2
56	0.4
57	0.4
58	1.2
59	2.4
60	1.2
61	1.2
62	0
63	1.2
64	1.2
65	2.3
66	0
67	2.5
68	1.3
69	1.2
70	0
71	1.2
72	1.2
73	2.4
74	1.2
75	1.2
76	0
77	1.2
78	1.2
79	2.5
80	1.2
81	1.2
82	0
83	1.2
84	1.2
85	0
86	2.5
87	0
88	0
89	0
90	0
91	0
92	0
93	0
94	1.2
95	2.4
96	2.4
97	1.2
98	1.2
99	0
100	1.2
IC3502	
1	1.2
2	2.5
3	1.2
4	1.2
5	0
6	1.2
7	1.2
8	2.5
9	1.2
10	1.2
11	0
12	1.2
13	0
14	2.5
15	2.5
16	0
17	1.2
18	1.2
19	0
20	1.2
21	1.2
22	2.5
23	0.4
24	0.2
25	1.7
26	1.5
27	1.7
28	0
29	0.7
30	0.7
31	0.7
32	0.7
33	0.7
34	0.7
35	2.4
36	0.7
37	0
38	0
39	0
40	0
41	0
42	0
43	0
44	0
45	0.7
46	0
47	0.7
48	0.8
49	0.7
50	0.7
51	0.7
52	0
53	1.7
54	1.3
55	1.1
56	0.4
57	0.3
58	1.2
59	2.5
60	1.2
61	1.2
62	0
63	1.2
64	1.2
65	2.5
66	0
67	2.4
68	1.2
69	1.2
70	0
71	1.2
72	1.2
73	2.4
74	1.2
75	0
76	0
77	1.2
78	1.2
79	2.5
80	1.2
81	1.2
82	0
83	1.2
84	1.2
85	0
86	2.5
87	0
88	0
89	0
90	0
91	0
92	0
93	0
94	1.2
95	0
96	2.4
97	1.2
98	1.2
99	0
100	1.2
IC3503	
1	0
2	2.5
3	1.2
4	1.2
5	2.4
6	2.3
7	2.4
8	1.2
Q3001	
E	2.2
C	3.3
B	2.8
Q3002	
E	2.9
C	0
B	2.2
Q3003	
E	0.7
C	3.3
B	1.3
Q3004	
E	1.2
C	0
B	0.7

[P.2-33 - P.2-34]

PIN NO.	VOLTAGE(V)
IC4003	
1	0
2	0
3	0
4	0
5	0
6	0
7	3.2
8	3.3
9	0
10	0
11	0
12	0
13	0
14	0
15	0
16	0
17	0
18	0
19	0
20	0
21	0.3
22	0.5
23	0.4
24	0
25	0.5
26	0.5
27	0.5
28	0.5
29	0.4
30	3.3
31	0
32	3.3
IC4004	
1	0
2	0
3	0
4	0
5	3.2
6	3.3
7	0
8	3.3
IC4005	
1	2.4
2	1.6
3	0
4	1.1
5	3.3

[P.2-35 - P.2-36]

PIN NO.	VOLTAGE(V)
IC6502	
1	3.3
2	1.2
3	0.7
4	0.6
5	0
6	0.7
7	0.6
8	0
9	3.3
10	1.2
11	0.6
12	0.5
13	0
14	1.1
15	0.8
16	0.6
17	0
18	1.2
19	0.7
20	0.7
21	0
22	0.7
23	0.6
24	0.5
25	1.7
26	3.3
27	0
28	0
29	0
30	3.3
31	0.7
32	3.3
33	0
34	3.2
35	0
36	0
37	0
38	1.3
39	1.3
40	0
41	0
42	0
43	0
44	3.3
45	0
46	1.3
47	1.1
48	0
49	0
50	0
51	0.7
52	0.7
53	0
54	0.6
55	0.5
56	0
CN0LV2	
1	0
2	0
3	1.3
4	1.1
5	0
6	0
7	1.3
8	1.1
9	0
10	0
11	1.3
12	1.2
13	0
14	0
15	1.2
16	1.3
17	0
18	0
19	1.2
20	1.2
21	0
22	3.2
23	0
24	0
25	0
26	0
27	3.0
28	0
29	3.0
30	0
31	0

[P.2-39 - P.2-40]

PIN NO.	VOLTAGE(V)
IC7601	
1	0.2
2	1.4
3	0
4	0
5	0
6	1.7
7	3.6
8	0
9	0
10	0
11	0
12	3.3
13	1.8
14	0
15	1.3
16	3.1
17	1.2
18	1.6
19	0
20	3.3
21	0
22	0
23	0
24	3.3
25	0
26	0
27	0.7
28	0.9
29	0.9
30	3.3
31	0
32	0
33	0
34	0
35	3.3
36	3.2
37	0.6
38	3.2
39	0
40	0
41	3.3
42	0
43	0
44	0
45	0
46	0
47	0
48	3.3
49	3.3
50	0
51	0
52	0
53	0
54	0
55	0
56	0
57	0
58	0
59	0
60	0
61	0
62	2.8
63	0
64	3.3
65	0
66	0
67	0
68	0
69	0
70	0
71	0
72	0
73	0
74	0
75	0
76	0
77	0
78	0
79	0
80	0
81	0
82	0
83	0
84	3.3
85	0.5
86	3.0
87	3.2
88	3.2
89	0
90	0
91	0
92	0
93	3.3
94	3.3
95	0.2
96	1.4
97	1.9
98	0.1
99	4.9
100	1.8
IC7602	
1	0
2	0
3	0
4	0
5	3.2
6	3.2
7	0
8	3.3
IC7603	
1	0
2	0
3	0
4	3.3
5	3.3
IC7607	
1	1.7
2	1.7
3	4.9
4	2.6
5	0
6	4.9
IC7608	
1	1.7
2	1.7
3	5.0
4	3.4
5	0
6	4.9

[P.2-41 - P.2-42]

PIN NO.	VOLTAGE(V)
IC7001	
1	3.3
2	0
3	0
4	3.2
5	0
6	0
7	3.3
8	0
9	3.2
10	3.3
11	3.3
12	3.3
13	3.3
14	0
15	3.3
16	3.3
17	3.3
18	0
19	0
20	3.3
21	3.3
22	3.3
23	1.6
24	1.5
25	0
26	0
27	0
28	0
29	0
30	3.3
31	0.4
32	0
33	0
34	0
35	0
36	3.3
37	0
38	3.3
39	0
40	0
41	0
42	3.3
43	0
44	0
45	2.3
46	0.6
47	0
48	3.3
49	3.3
50	1.8
51	3.1
52	3.3
53	0.6
54	3.2
55	3.3
56	3.3
57	3.2
58	3.2
59	0
60	3.1
61	0
62	2.2
63	0.5
64	0
65	0
66	3.3
67	0
68	3.3
69	3.3
70	3.3
71	0
72	0
73	3.2
74	0
75	3.3
76	3.1
77	3.6
78	0
79	3.3
80	0.1
81	0
82	3.3
83	3.3
84	3.2
85	3.2
86	3.0
87	2.9
88	0
89	3.3
90	2.9
91	0
92	0
93	0
94	0
95	3.0
96	3.3
97	0
98	0
99	3.3
100	2.4
IC7002	
1	0
2	0
3	0
4	0
5	3.2
6	3.3
7	0
8	3.3
IC7401	
1	3.3
2	3.3
3	0
4	0
Q7206	
E	0
C	1.7
B	1.4
Q7207	
E	3.3
C	3.2
B	0

[P.2-43 - P.2-44]

PIN NO.	VOLTAGE(V)
IC9001	
1	8.1
2	17.9
3	3.3
4	0
5	1.1
6	1.1
7	5.0
8	0
IC9101	
1	7.3
2	17.8
3	2.5
4	0
5	1.2
6	1.3
7	4.9
8	0.2
IC9201	
1	6.4
2	17.9
3	1.5
4	0
5	1.2
6	1.1
7	4.6
8	0.2

< INTERFACE PWB >
[P.2-45 - P.2-46]

PIN NO.	VOLTAGE(V)
IC801	
1	5.0
2	0
3	3.4
IC802	
1	4.9
2	0
3	3.4
IC805	
1	0
2	0
3	0
4	0
5	4.9
6	4.9
7	0
8	5.0
IC807	
1	1.8
2	0
3	58.0
4	3.1
5	0
6	3.3
7	5.0
8	0
9	0
10	2.4
11	2.5
12	5.0
13	0
14	0
15	5.0
16	5.0
17	5.0
18	0
19	0
20	5.0
21	5.0
22	0
23	5.0
24	4.9
25	5.0
26	4.5
27	4.7
28	4.4
29	4.5
30	5.0
31	0
32	0
33	0
34	0
35	5.0
36	5.0
37	4.8
38	0
39	5.0
40	5.0
41	5.0
42	5.0
43	5.0
44	0
45	0.3
46	0
47	5.0
48	0
49	5.0
50	5.0
51	5.0
52	5.0
53	4.8
54	0
55	3.2
56	5.0
57	0
58	0.4
59	0
60	0
61	5.0
62	0
63	5.0
64	5.0
IC809	
1	5.0
2	5.0
3	0
4	0
Q803	
E	5.0
C	5.0
B	4.4
Q805	
S	3.4
D	3.0
G	4.5

PIN NO.	VOLTAGE(V)
Q806	
S	3.4
D	2.9
G	4.4
Q807	
E	5.0
C	5.0
B	4.4
Q813	
S	3.3
D	3.1
G	5.0
Q814	
S	3.4
D	3.3
G	4.9
Q815	
E	0
C	4.8
B	0

[P.2-47 - P.2-48]

PIN NO.	VOLTAGE(V)
IC103	
1	5.6
2	0
3	5.0
Q101	
E	0
C	0
B	0.6

< AUDIO PWB >
[P.2-49 - P.2-50]

PIN NO.	VOLTAGE(V)
IC6521	
1	6.1
2	6.1
3	6.1
4	6.1
5	6.1
6	6.1
7	6.1
8	6.1
9	0.9
10	6.1
11	3.1
12	3.1
13	4.6
14	4.7
15	00
16	12.1
17	4.9
18	0
19	5.5
20	5.3
21	6.1
22	6.1
23	6.1
24	6.1
25	6.1
26	6.1
27	6.1
28	6.1
29	6.1
30	6.1
IC6551	
1	6.3
2	6.2
3	6.2
4	0
5	6.2
6	6.3
7	6.3
8	12.1
IC6552	
1	6.3
2	6.3
3	6.2
4	0
5	6.1
6	6.3
7	6.2
8	12.1
IC6621	
1	-13.6
2	0
3	0
4	-13.8
5	0
6	0
7	-13.6
8	12.9
IC6661	
1	-13.6
2	-0.3
3	-13.7
4	-13.8
5	13.5
6	9.8
7	1.4
8	-13.8
9	-0.6
10	-13.8
11	1.4
12	9.8
13	13.5
14	-13.8
15	-3.3
16	-0.2
17	-13.6
IC6671	
1	13.5
2	0
3	12.1
Q6521	
E	0
C	0
B	-1.7
Q6522	
E	0
C	0
B	-1.7
Q6523	
E	0
C	-1.7
B	0

PIN NO.	VOLTAGE(V)
Q6531	
E	0
C	2.8
B	0
Q6532	
E	0
C	0
B	0.6
Q6533	
E	0
C	0
B	0.7
Q6534	
E	0.7
C	0.7
B	0.1
Q6538	
E	0
C	0
B	0.5
Q6539	
E	0
C	0
B	0.5
Q6661	
E	13.5
C	13.5
B	0
Q6662	
E	-13.8
C	-13.7
B	-13.1
Q6663	
E	0
C	0
B	4.5
Q6672	
E	0
C	12.0
B	0
Q6673	
E	11.6
C	0.1
B	12.0

< FRONT LED PWB >
[P.2-53]

PIN NO.	VOLTAGE(V)
IC1742	
1	3.7
2	5.0
3	0
Q1741	
E	0
C	0
B	3.3
Q1742	
E	0
C	0
B	3.3
Q1743	
E	2.4
C	2.2
B	0
Q1744	
E	2.2
C	2.0
B	0
Q1745	
E	2.1
C	2.0
B	0

< TEMP. SENSOR PWB >
[P.2-54]

PIN NO.	VOLTAGE(V)
IC8101	
1	4.6
2	4.7
3	0
4	0
5	0
6	0
7	0
8	4.9

< REGULATOR PWB >
[P.2-55 - P.2-56]

PIN NO.	VOLTAGE(V)
IC9401	
1	13.5
2	17.9
3	9.0
4	0
5	1.2
6	1.3
7	4.9
8	0
IC9621	
1	9.8
2	11.2
3	4.9
4	0
5	1.2
6	1.3
7	4.5
8	0
IC9801	
1	0
2	4.6
3	4.5
4	4.9
5	0
6	0
7	0
8	0
9	0
10	0
11	0
12	0
13	4.9
14	0
15	0
16	0
Q9211	
E	12.9
C	13.5
B	13.5
Q9212	
E	0
C	0
B	4.9
Q9822	
E	0
C	0
B	0.7

< MAIN POWER PWB >
[P.2-59 - P.2-60]

PIN NO.	VOLTAGE(V)
IC9001	
1	94.5
5	-10.4
6	-0.9
7	-0.5
8	0
9	5.6
IC9002	
1	1.4
2	1.8
3	1.1
4	1.4
5	1.9
6	1.8
7	0
8	4.5
9	22.4
10	22.5
11	7.5
12	22.4
13	5.0
14	0
15	1.6
16	-0.1
Q9002	
E	0
C	0
B	0.7
Q9003	
E	-0.1
C	0.7
B	0
Q9004	
S	0
D	88.3
G	4.7
Q9005	
S	0
D	88.3
G	4.6
Q9006	
E	4.5
C	22.0
B	4.5
Q9007	
E	16.4
C	0
B	16.7
Q9008	
E	0
C	30.7
B	-0.1

[P.2-61 - P.2-62]

PIN NO.	VOLTAGE(V)
IC9201	
1	375.3
3	0
4	22.6
5	0
6	1.4
7	0.6
IC9202	
1	17.8
2	5.0
3	0
4	5.1
5	2.2
IC9204	
1	2.4
2	-0.1
3	10.3
IC9401	
1	375.0
2	0.5
3	0
4	19.1
5	0
6	1.1
7	3.4
IC9403	
1	2.4
2	0
3	14.2
Q9201	
E	23.2
C	26.9
B	23.8
Q9207	
E	0
C	0
B	0.7

PIN NO.	VOLTAGE(V)
Q9213	
E	1.1
C	0
B	1.0
Q9214	
E	0
C	5.0
B	0
Q9215	
E	0
C	0
B	0.6
Q9401	
S	0
D	402.0
G	0.5
Q9402	
E	0
C	1.1
B	-1.5
Q9405	
E	0
C	0
B	0.7
Q9408	
E	0
C	0
B	0.6
Q9409	
E	0
C	2.4
B	0
Q9411	
E	0
C	0
B	0
Q9412	
E	0
C	0
B	3.0

[P.2-63 - P.2-64]

PIN NO.	VOLTAGE(V)
IC9601	
1	173.9
2	0
3	-0.1
4	20.8
5	1.7
IC9602	
1	-66.1
2	-69.8
3	-47.2
IC9611	
1	173.9
2	0.1
3	0
4	20.9
5	1.7
IC9612	
1	2.4
2	0
3	9.9
IC9621	
1	174.0
2	0
3	0
4	20.9
5	2.0
IC9622	
1	2.4
2	0
3	10.9
IC9631	
1	21.4
2	15.0
3	0
IC9632	
1	17.8
2	3.3
3	0
4	3.3
5	2.2
CN8002	
1	173.7
2	173.7
3	0
4	0
5	164.3
6	0
7	0
8	15.0
9	5.0

PIN NO.	VOLTAGE(V)
CN8003	
1	5.0
2	14.9
3	0
4	-69.6
5	0
6	172.5
7	0
8	0
9	173.7
10	173.7
CN8006	
1	69.8
2	69.8
3	0.3
4	0.1
5	0
CN8008	
1	3.3
2	3.3
3	0
4	0
5	5.0
6	-0.1
7	0
8	0.4
9	2.9
10	0

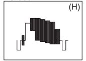
< SUB POWER PWB >
[P.2-63 - P.2-64]

PIN NO.	VOLTAGE(V)
IC9001	
1	375.4
3	0
4	17.1
5	0
6	0.2
7	0.5
IC9051	
1	2.3
2	0
3	15.0
Q9071	
E	0
C	0
B	0.6

WAVEFORMS

RECEIVER PWB
(SHEET1)

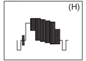
TU-3001-17



0.8 Vp-p

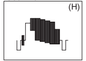
ANALOG SIGNAL PWB (1/5)
(SHEET2)

IC501-44



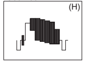
1.7 Vp-p

IC501-49



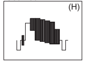
1.7 Vp-p

IC501-53



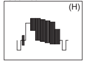
1.7 Vp-p

IC501-56



1.7 Vp-p

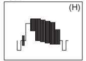
IC501-63



0.8 Vp-p

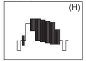
ANALOG SIGNAL PWB (2/5)
(SHEET3)

IC801-1



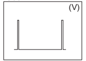
0.8 Vp-p

IC801-3



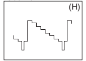
1.0 Vp-p

IC801-4



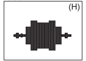
4.8 Vp-p

IC801-5



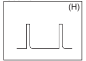
0.8 Vp-p

IC801-7



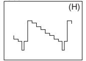
0.3 Vp-p

IC801-9



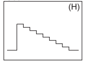
4.4 Vp-p

IC801-11



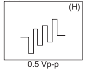
0.8 Vp-p

IC801-21



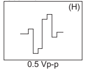
0.5 Vp-p

IC801-22



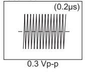
0.5 Vp-p

IC801-23



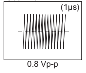
0.5 Vp-p

IC801-38



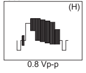
0.3 Vp-p

IC801-46



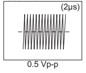
0.8 Vp-p

IC802-7



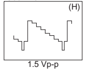
0.8 Vp-p

IC802-19



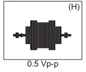
0.5 Vp-p

IC802-25



1.5 Vp-p

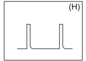
IC802-27



0.5 Vp-p

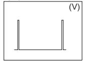
ANALOG SIGNAL
PWB (3/5) (SHEET4)

IC201-1



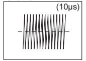
4.2 Vp-p

IC201-2



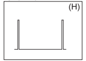
4.6 Vp-p

IC201-9



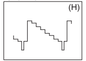
0.2 Vp-p

IC201-19



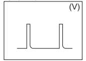
2.8 Vp-p

IC201-26



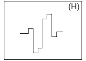
0.8 Vp-p

IC201-29



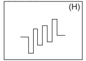
3.2 Vp-p

IC301-35



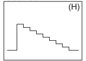
0.9 Vp-p

IC301-36



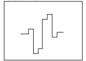
0.8 Vp-p

IC301-38



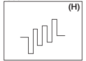
1.0 Vp-p

IC301-43



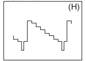
1.4 Vp-p

IC301-44



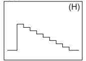
1.4 Vp-p

IC301-46



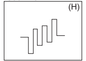
1.0 Vp-p

IC301-74



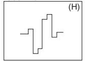
0.5 Vp-p

IC301-75



0.4 Vp-p

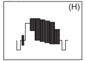
IC301-76



0.6 Vp-p

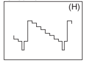
DIGITAL SIGNAL
PWB (1/11) (SHEET8)

IC1502-1



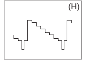
1.7 Vp-p

IC1502-5



1.6 Vp-p

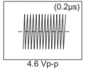
IC1502-7



1.6 Vp-p

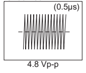
DIGITAL SIGNAL
PWB (3/11) (SHEET10)

IC1001-7



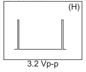
4.6 Vp-p

IC1001-58



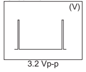
4.8 Vp-p

IC1001-75



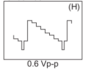
3.2 Vp-p

IC1001-76



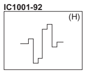
3.2 Vp-p

IC1001-85



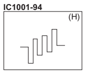
0.6 Vp-p

IC1001-92



0.7 Vp-p

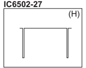
IC1001-94



0.7 Vp-p

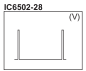
DIGITAL SIGNAL
PWB (7/11) (SHEET14)

IC6502-27



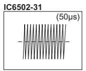
3.3 Vp-p

IC6502-28



3.2 Vp-p

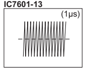
IC6502-31



4.6 Vp-p

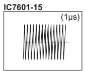
DIGITAL SIGNAL
PWB (9/11) (SHEET16)

IC7601-13



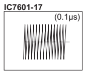
3.4 Vp-p

IC7601-15



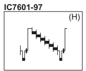
2.6 Vp-p

IC7601-17



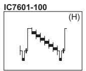
3.8 Vp-p

IC7601-97



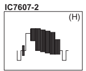
1.3 Vp-p

IC7601-100



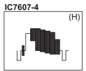
1.3 Vp-p

IC7607-2



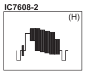
1.5 Vp-p

IC7607-4



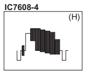
0.6 Vp-p

IC7608-2



1.6 Vp-p

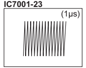
IC7608-4



0.6 Vp-p

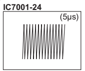
DIGITAL SIGNAL
PWB (10/11) (SHEET17)

IC7001-23



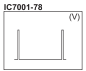
2.6 Vp-p

IC7001-24



3.9 Vp-p

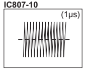
IC7001-78



3.4 Vp-p

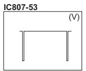
INTERFACE PWB (1/2)
(SHEET19)

IC807-10



3.0 Vp-p

IC807-53



5.0 Vp-p

Victor Company of Japan, Limited
AV & MULTIMEDIA COMPANY VIDEO DISPLAY CATEGORY 12, 3-chome, Moriya-cho, kanagawa-ku, Yokohama, kanagawa-prefecture, 221-8528, Japan

Printed in Japan
WPC

JVC®

I'Art™ PALETTE

Plasma Display Users Guide

For Models:
PD-42V485
PD-42V475

Illustration of PD-42V475 and RM-C1257G

Important Note:

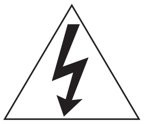
In the spaces below, enter the model and serial number of your television (located at the rear of the television cabinet). Staple your sales receipt or invoice to the inside cover of this guide. Keep this user's guide in a convenient place for future reference. Keep the carton and original packaging for future use.

Model Number: ____________________

Serial Number: ____________________

LCT1659-001A-A
0504TNH-II-IM

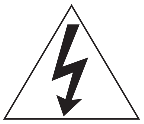
Important Safety Precautions



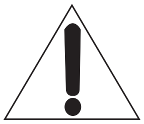
CAUTION

RISK OF ELECTRIC SHOCK
DO NOT OPEN

CAUTION: **To reduce the risk of electric shock. Do not remove cover (or back). No user serviceable parts inside. Refer servicing to qualified service personnel.**



The lightning flash with arrowhead symbol, within an equilateral triangle is intended to alert the user to the presence of uninsulated “dangerous voltage” within the product’s enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.



The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.

WARNING: TO PREVENT FIRE OR SHOCK HAZARDS, DO NOT EXPOSE THIS TV SET TO RAIN OR MOISTURE.

CAUTION: TO INSURE PERSONAL SAFETY, OBSERVE THE FOLLOWING RULES REGARDING THE USE OF THIS UNIT.

1. Operate only from the power source specified on the unit.
2. Avoid damaging the AC plug and power cord.
3. Avoid Improper installation and never position the unit where good ventilation is unattainable.
4. Do not allow objects or liquid into the cabinet openings.
5. In the event of trouble, unplug the unit and call a service technician. Do not attempt to repair it yourself or remove the rear cover.

Changes or modifications not approved by JVC could void the warranty.

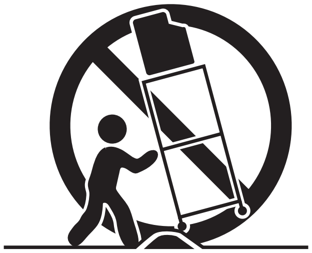
* When you don’t use this TV set for a long period of time, be sure to disconnect both the power plug from the AC outlet and antenna for your safety.

* To prevent electric shock do not use this polarized plug with an extension cord, receptacle or other outlet unless the blades can be fully inserted to prevent blade exposure.

- As an “ENERGY STAR®” partner, JVC has determined that this product or product model meets the “ENERGY STAR®” guidelines for energy efficiency.

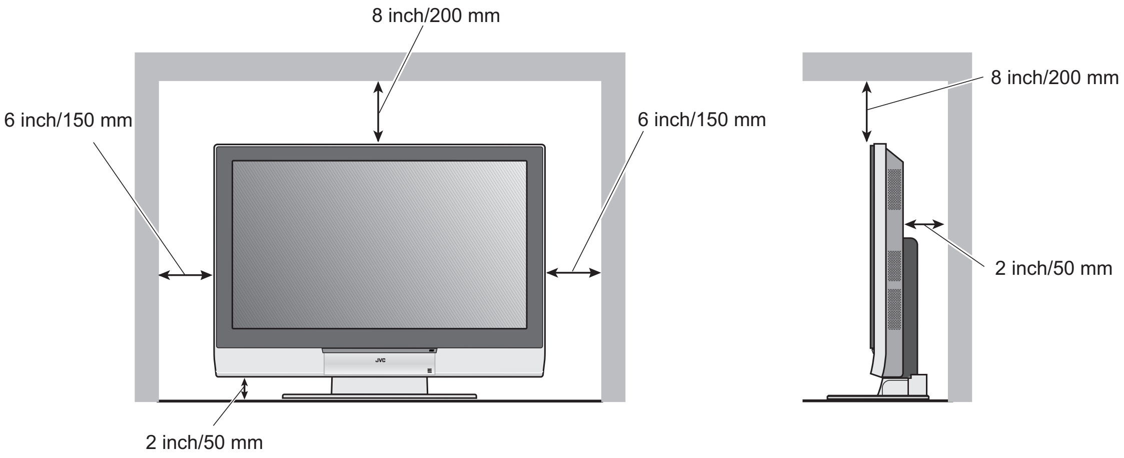
IMPORTANT SAFETY INSTRUCTIONS

1) Read these instructions.
2) Keep these instructions.
3) Heed all warnings.
4) Follow all instructions.
5) Do not use this apparatus near water.
6) Clean only with dry cloth.
7) Do not block any ventilation openings. Install in accordance with the manufacturer's instructions.
8) Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
9) Do not defeat the safety purpose of the polarized or grounding-type plug. A polarized plug has two blades with one wider than the other. A grounding type plug has two blades and a third grounding prong. The wide blade or the third prong are provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.
10) Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.
11) Only use attachments/accessories specified by the manufacturer.
12) Use only with a cart, stand, tripod, bracket, or table specified by the manufacturer, or sold with the apparatus. When a cart is used, use caution when moving the cart/apparatus combination to avoid injury from tip-over.



13) Unplug this apparatus during lightning storms or when unused for long periods of time.
14) Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.
15) Apparatus shall not be exposed to dripping or splashing and no objects filled with liquids, such as vases, shall be placed on the apparatus.

16) Avoid improper installation and never position the unit where good ventilation is impossible. When installing this TV, distance recommendations must be maintained between the set and the wall, as well as inside a tightly enclosed area or piece of furniture. Keep to the minimum distance guidelines shown for safe operation.



17) Cautions for installation

— Do not tilt the TV towards the left or right, or towards the back.

— Install the TV in a corner on the floor so as to keep cords out of the way.

— The TV will generate a slight amount of heat during operation. Ensure that sufficient space is available around the TV to allow satisfactory cooling.

FCC Notice:

Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

– Reorient or relocate the receiving antenna.

– Increase the separation between the equipment and receiver.

– Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.

– Consult the dealer or an experienced radio/TV technician for help.

Warnings

Screen Burn-in

A characteristic of Plasma Display Panels (PDPs) is that displaying the same image for a long time causes a part of the image to stay on the screen (this is called phosphor burn-in).

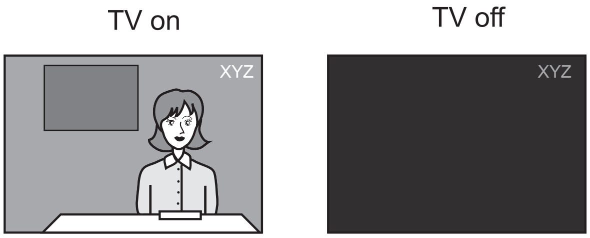
Avoid burn-in as follows.

IMAGE SHIFT
The picture displayed on the screen is shifted up, down and to the left and right at regular intervals. In order to prevent burn-in, set this function to FAST or STD. (Refer to page 42.) Even if the IMAGE SHIFT function is turned off, the picture will shift to the left or right when the channel or input is changed. This is only when the ASPECT function is in REGULAR mode.

VIDEO STATUS
The VIDEO STATUS function is initially set to DYNAMIC. Unless the TV is being watched in an extremely bright room, it is recommended to change the VIDEO STATUS setting to standard, theater or game. Doing so will reduce the chance of PDP burn-in and extend the life of the PDP. (Refer to page 61).

☐ **Do not display static images or characters for long periods of time.**

For example...

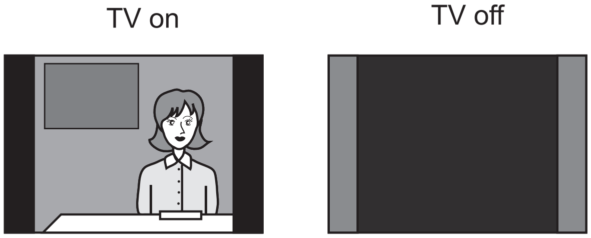


- Reduce PICTURE and BRIGHT on the PICTURE ADJUST menu (page 50) when viewing.

☐ **Do not view for long periods of time in the REGULAR mode (page 63).**

Screen size is normally chosen to ensure that the picture is displayed on the entire screen. After viewing in the REGULAR mode in which black bands may occur at the left and right of the screen, it is recommended to change to the PANORAMA mode to display the picture on the entire screen.

For example...



☐ **Do not view for long periods of time using the TWIN function (page 57) or INDEX function (page 57).**

Warnings

If Burn-in has occurred

If burn-in occurs, try the BURN-IN IMAGE REDUCER function (page 52). If burn-in is minimal it may gradually become less noticeable.

Note: Once burn-in occurs it will never disappear completely.

Point defects

PDPs use collections of fine pixels to display images. While there is no problem with more than 99.99% of these pixels, please understand that a very small number of pixels may not light or may light all the time.

Do not install the TV near electronic equipment that is susceptible to electromagnetic waves

It may cause interference in images, sound, etc. In particular, keep video equipment away from this product.

Effect on infrared devices

There may be interference while using infrared devices such as infrared cordless headphones.

The phenomenon described below is not a malfunction.

If the television is used at a location above an altitude of 2,000 m, a buzzing noise and image distortion may occur. This phenomenon is peculiar to PDP (Plasma Display Panel), and could occur with any television using PDP. It is not a malfunction.

Caring for the Cabinet

Normally, light dusting with a soft, non-scratching duster will keep your TV clean.

If you wish to wipe down the television, first unplug it. Then wipe gently with a soft cloth, slightly moistened with water. You can add a few drops of mild liquid detergent to the water to help remove spots of oily dirt.

DO NOT allow liquid to enter the TV through the ventilation slots.

DO NOT use strong or abrasive cleaners on the TV.

DO NOT spray liquids or cleaners directly on the TV’s surface.

DO NOT rub or scrub the TV harshly. Wipe the set gently with a soft cloth.

Caring for the Screen

When it gets dirty, wipe it gently with a soft cloth.

Do not apply alcohol, organic solvents (like acetone), acidic or alkaline cleansers to the screen. These will remove the coating layer and cause discolorations.

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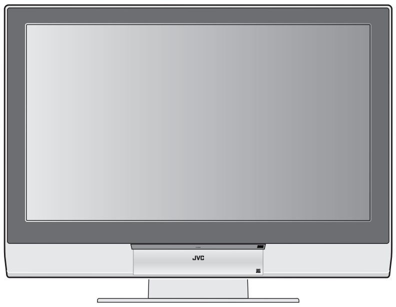
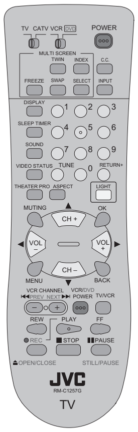
Unpacking your TV

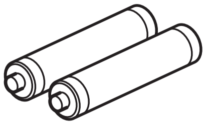
Thank you for your purchase of a JVC Color Television. Before you begin setting up your new television, please check to make sure you have all of the following items.



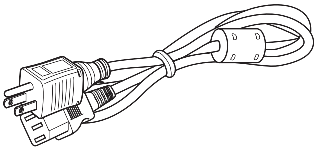
TV


TV
CATV
VCR
DVD
POWER
MULTI SCREEN
TWIN
INDEX
C.C.
FREEZE
SWAP
SELECT
INPUT
DISPLAY
1
2
3
SLEEP TIMER
4
5
6
SOUND
7
8
9
VIDEO STATUS
TUNE
0
RETURN+
THEATER PRO
ASPECT
LIGHT
MUTING
OK
CH +
VOL –
VOL +
CH –
MENU
BACK
VCR CHANNEL
PREV
NEXT
VCR/DVD POWER
TV/VCR
REW
PLAY
FF
REC
STOP
PAUSE
OPEN/CLOSE
STILL/PAUSE
JVC
RM-C1257G
TV

Remote control



AA/R06-size batteries
(used to check
operation)



Power cord

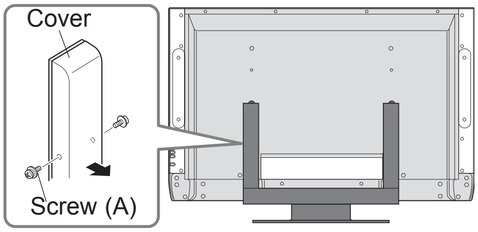
Quick Setup Remove the stand from the TV

Read the following instructions and then remove the stand from the TV.

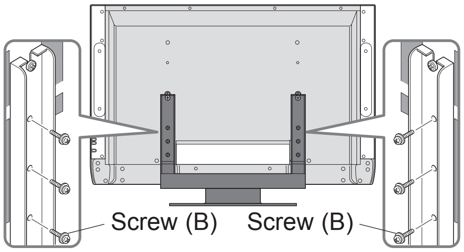
WARNING: The TV is heavy. It should always be carried by at least two people. Attempting to carry it by yourself may lead to it being dropped causing injuries and damage.

Required items: Phillips screwdriver

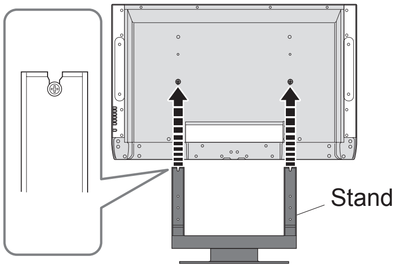
1. Remove the screws (A) and remove the cover from the stand.



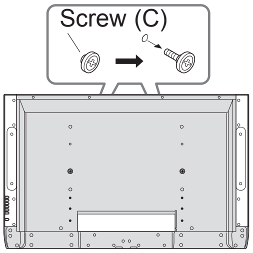
2. Remove the screws (B) from the stand.



3. Remove the stand from the TV.



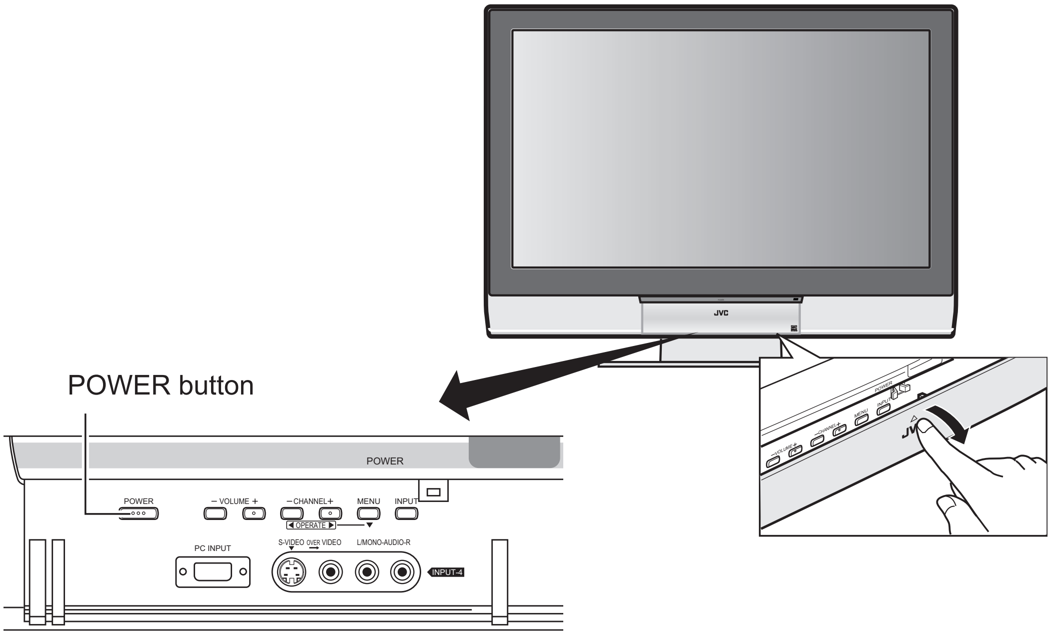
4. Remove the screws (C) from the back of the TV.



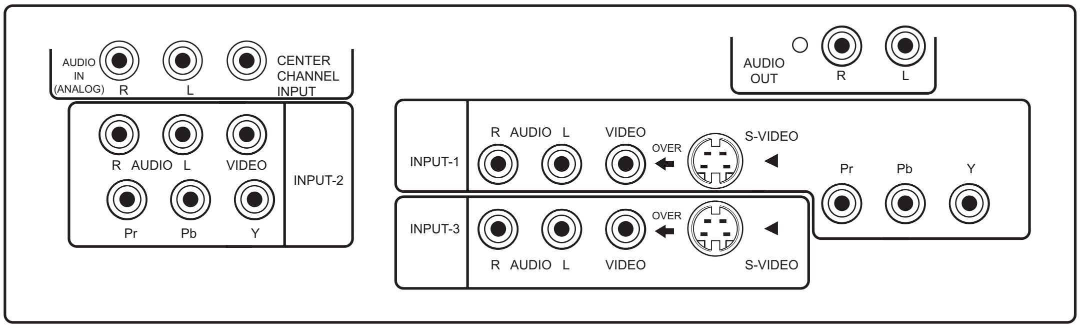
Quick Setup TV Models

Note: Before you connect your TV to another device, please refer to the proper diagrams for your specific TV and remote.

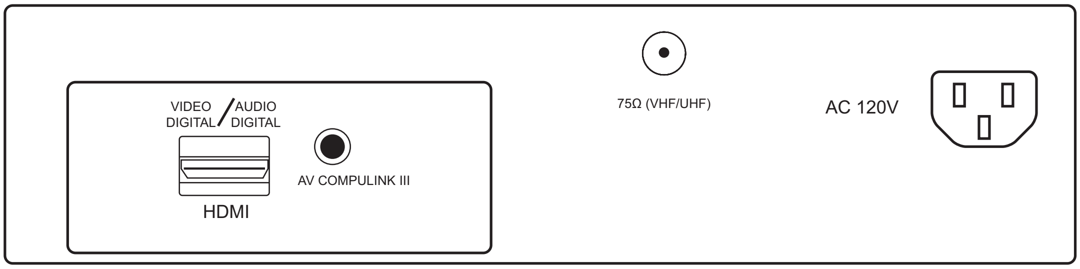
Front

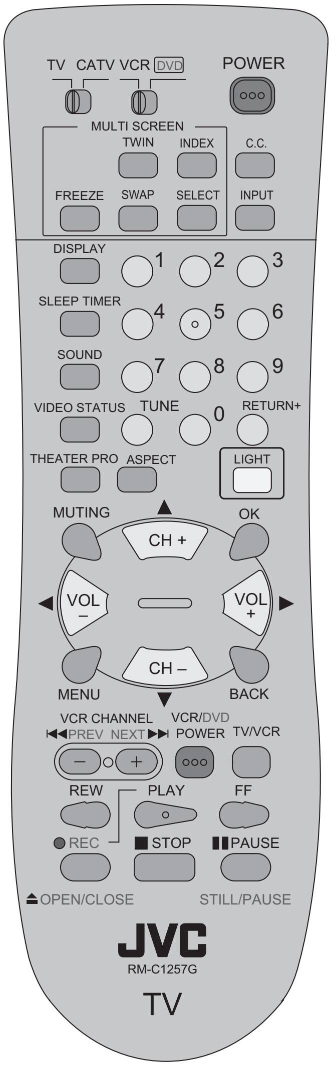

POWER button
POWER
POWER
− VOLUME +
− CHANNEL +
MENU
INPUT
OPERATE
PC INPUT
S-VIDEO OVER VIDEO
L/MONO-AUDIO-R
INPUT-4
JVC

Rear


AUDIO IN (ANALOG) R L
CENTER CHANNEL INPUT
R AUDIO L VIDEO
Pr Pb Y
INPUT-2
AUDIO OUT R L
INPUT-1
R AUDIO L VIDEO OVER S-VIDEO
Pr Pb Y
INPUT-3
R AUDIO L VIDEO OVER S-VIDEO

Underneath


VIDEO DIGITAL / AUDIO DIGITAL
HDMI
AV COMPULINK III
75Ω (VHF/UHF)
AC 120V


TV CATV VCR DVD
POWER
MULTI SCREEN
TWIN
INDEX
C.C.
FREEZE
SWAP
SELECT
INPUT
DISPLAY
1
2
3
SLEEP TIMER
4
5
6
SOUND
7
8
9
VIDEO STATUS
TUNE
0
RETURN+
THEATER PRO
ASPECT
LIGHT
MUTING
OK
CH +
VOL –
VOL +
CH –
MENU
BACK
VCR CHANNEL
PREV NEXT
VCR/DVD POWER
TV/VCR
REW
PLAY
FF
REC
STOP
PAUSE
OPEN/CLOSE
STILL/PAUSE
JVC
RM-C1257G
TV

RM-C1257G

- For information on remote control buttons, see pages 57-65.

Getting Started

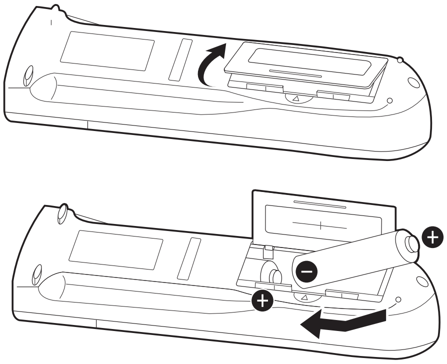
These quick setup pages will provide you, in four easy steps, with the basic information you need to begin using your new television right away.

If you have questions, or for more detailed information on any of these steps, please consult other sections of this manual.

Step 1 – The Remote Control

Before you can operate your remote control, you first need to install the batteries (included).

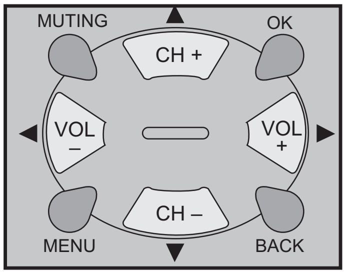
Lift and pull the latch on the back of the remote control to open. Insert two batteries (included) carefully noting the “+” and “–” markings, placing the “–” end in the unit first. Snap the cover back into place.



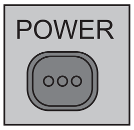
When you change the batteries, try to complete the task within three minutes. If you take longer than three minutes, the remote control codes for your VCR, DVD, and/or cable box/satellite receiver may have to be reset. See pages 26 - 29.

Key Feature Buttons

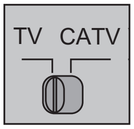
The four key feature buttons at the center of the remote can be used for basic operation of the television. The top and bottom buttons will scan forward and back through the available channels. To move rapidly through the channels using JVC’s **Hyperscan** feature, press and hold CH+ or CH–. The channels will zip by at a rate of five channels per second. The right and left buttons will turn the volume up or down. These buttons are also marked with four arrows and are used with JVC’s onscreen menu system. To use the onscreen menus, press the Menu button.



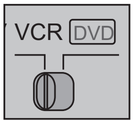
Basic Operation



Turn the television on and off by pressing the Power button at the top right corner of the remote. If this is the first time you are turning on the TV, the interactive plug-in menu appears.



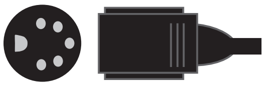
- Make sure the TV/CATV switch is set to TV. Move the switch to CATV only if you need to operate a cable box.
- Slide the VCR/DVD selector switch to VCR to control a VCR. Slide to DVD to control a DVD player. Please see pages 26 to 29 for instructions on programming your remote control to operate a cable box, VCR or DVD player.



Step 2 – Connecting Your Devices

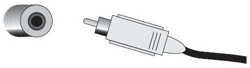
To make these connections, you will use plugs like the ones illustrated below.

S-Video Cable



Used to make video connections with S-Video VCRs, Camcorders and DVD players.

Component Cables
Composite Cables
Audio Cables



Used to connect audio/video devices like VCRs, DVD players, stereo amplifiers, game consoles, etc.

Please follow the flow chart below to determine which connection setup is right for you. Then, refer to the appropriate diagrams to connect your TV to other devices that you may have. After you are finished connecting your devices, plug the power cord into the nearest power outlet and turn on the TV.

> A VCR is not necessary for operation of the television. If you follow these diagrams and the television does not work properly, contact your local cable operator.
>
> - To connect a DVD player, see **Diagram #3**. A DVD player is optional.
> - If you have a satellite television system, please refer to the satellite TV manual.

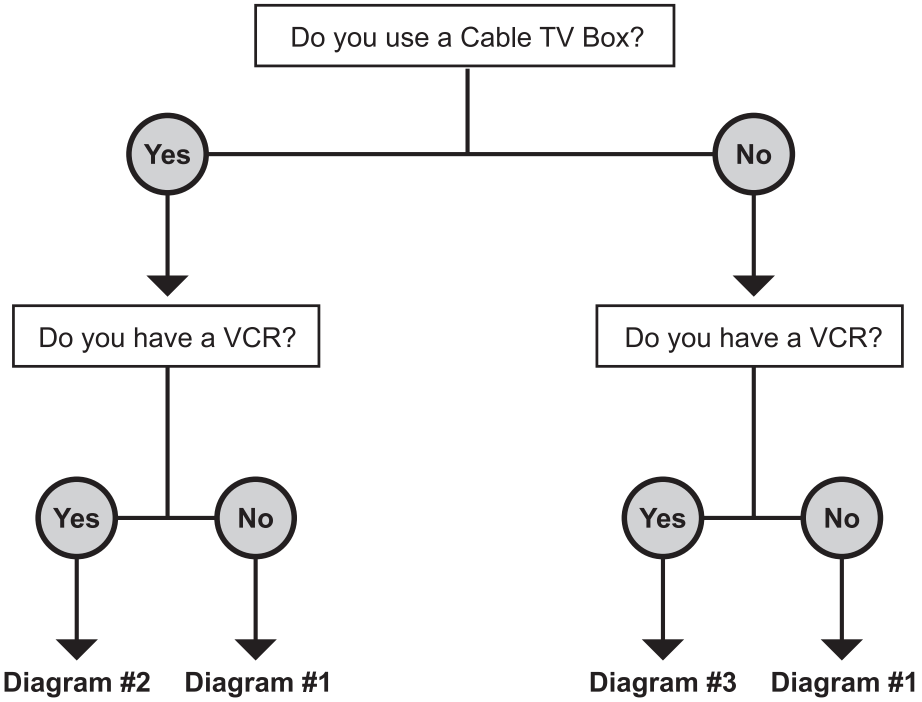
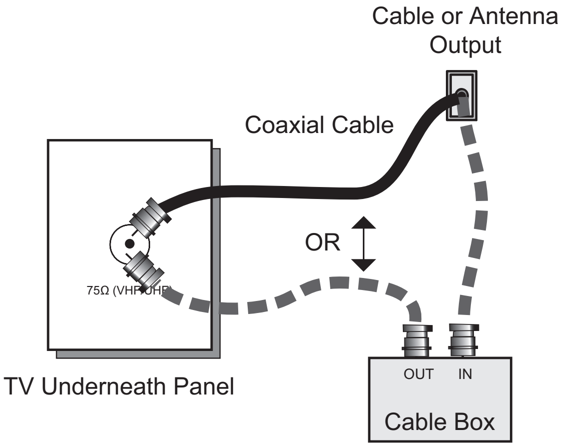

Do you use a Cable TV Box?
Yes
No
Do you have a VCR?
Do you have a VCR?
Yes
No
Yes
No
Diagram #2
Diagram #1
Diagram #3
Diagram #1

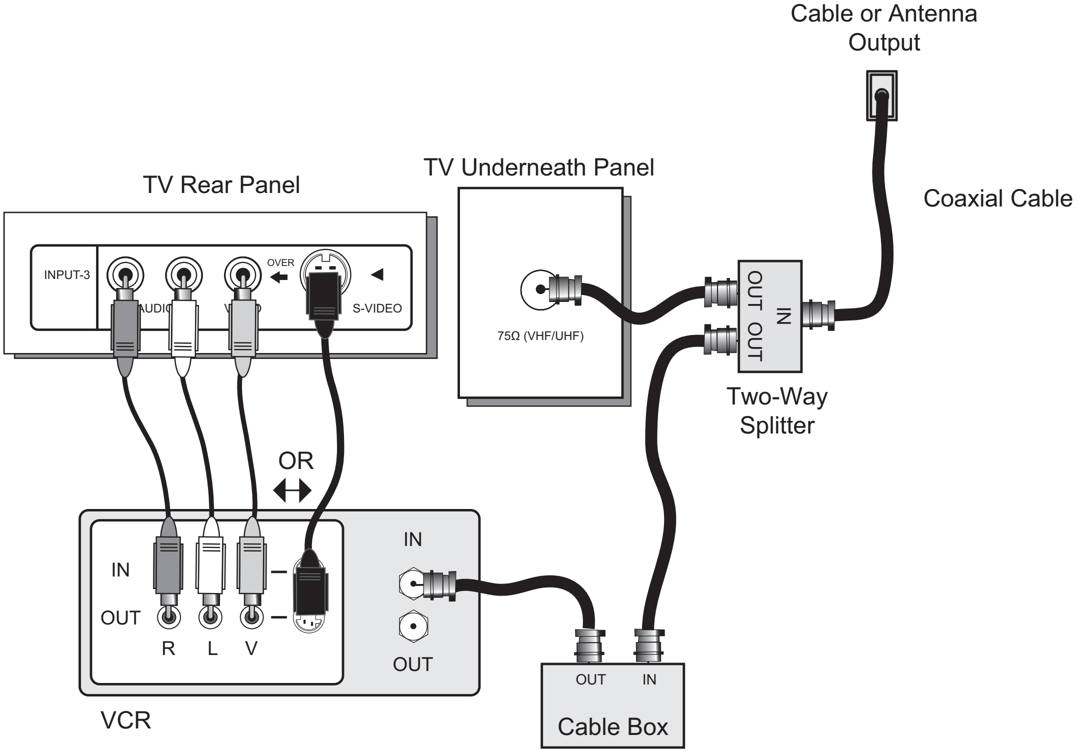
Diagram #1


Cable or Antenna Output
Coaxial Cable
OR
75Ω (VHF/UHF)
TV Underneath Panel
OUT
IN
Cable Box

Note:

- If you do not have a cable box, connect the cable wire from the wall outlet into the back of the TV.

Diagram #2


Cable or Antenna Output
TV Rear Panel
TV Underneath Panel
Coaxial Cable
INPUT-3
OVER
AUDIO
VIDEO
S-VIDEO
75Ω (VHF/UHF)
IN
OUT
OUT
Two-Way Splitter
OR
IN
OUT
R
L
V
IN
OUT
VCR
OUT
IN
Cable Box

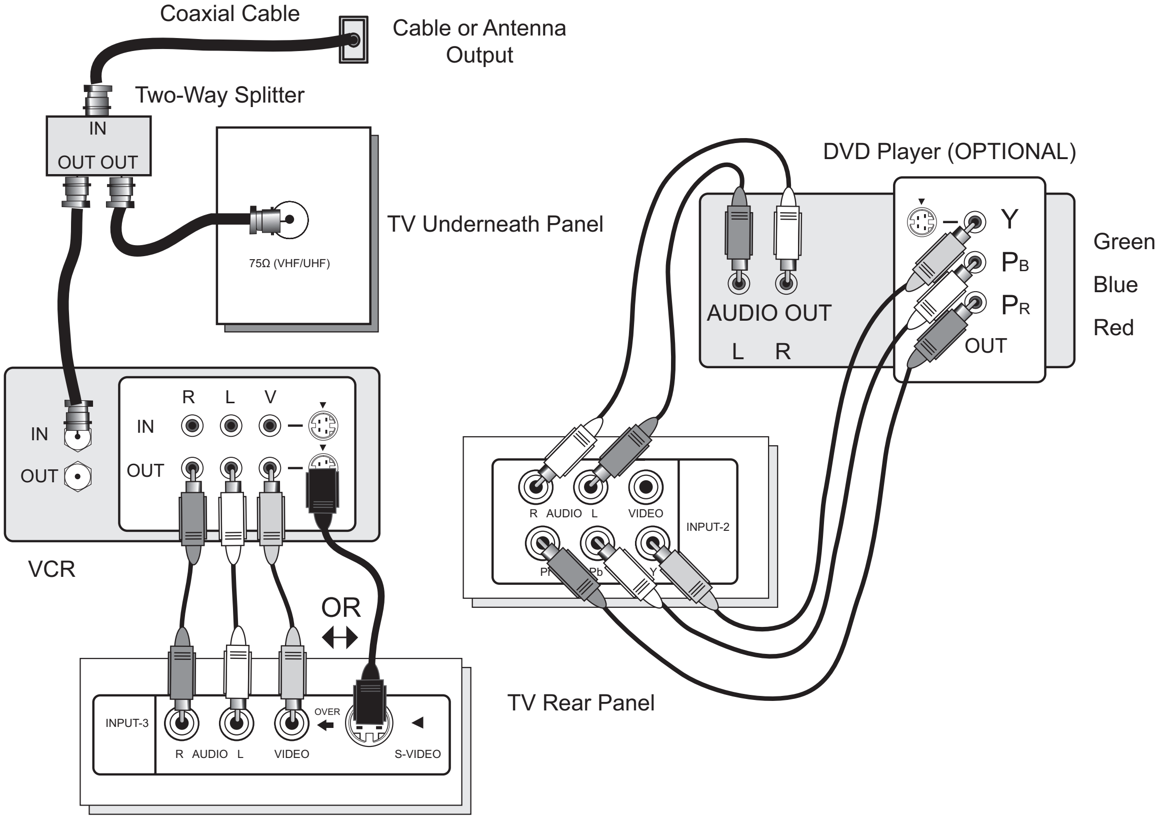
Notes:

- Use the S-Video connection if possible for superior picture quality.
- Your VCR must be turned on to view premium cable channels.

Notes:

- Green, blue and red are the most common colors for DVD cables. Some models may vary colors. Please consult the user's manual for your DVD player for more information.
- Be careful not to confuse the red DVD cable with the red audio cable. It is best to complete one set of connections (DVD or audio output) before starting the other to avoid accidentally switching the cables.
- You may also connect the DVD player to Input 1.

Diagram #3

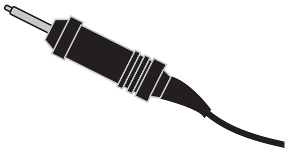

Coaxial Cable
Cable or Antenna Output
Two-Way Splitter
IN
OUT OUT
TV Underneath Panel
75Ω (VHF/UHF)
DVD Player (OPTIONAL)
AUDIO OUT
L R
Y
PB
PR
OUT
Green
Blue
Red
VCR
IN
OUT
R L V
IN
OUT
OR
R AUDIO L
VIDEO
INPUT-2
PR
Pb
Y
TV Rear Panel
INPUT-3
R AUDIO L
VIDEO
OVER
S-VIDEO

Connecting to JVC AV Compu Link

JVC's AV CompuLink feature makes playing video tapes or DVDs totally automatic. Simply insert a pre-recorded tape into your JVC brand VCR or DVD into your JVC DVD player and the device will automatically turn on and begin playback. At the same time, using the AV CompuLink, the VCR or DVD player sends a signal to the television telling it to turn on and switch to the proper video input.

- The AV CompuLink cable may be included with the JVC AV CompuLink unit you wish to connect. If it is not, contact JVC Parts Department at (800)-882-2345, or www.jvcservice.com for part # EWP 805-012.
- AV CompuLink can only be used with JVC brand products.

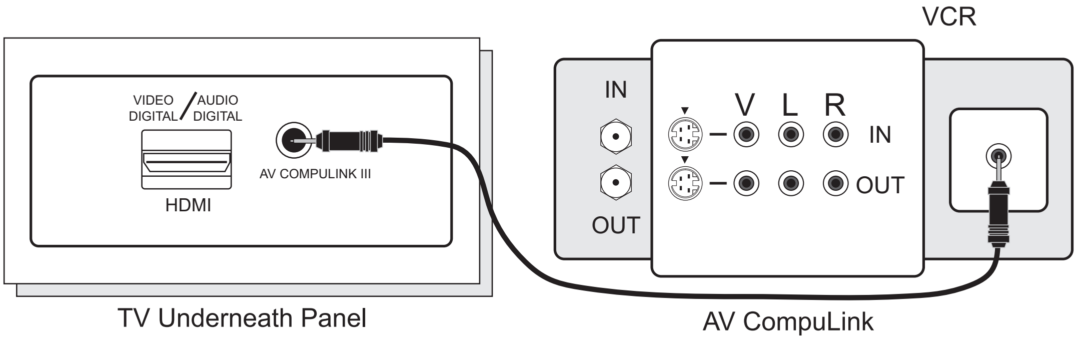
AV CompuLink Cable



To Connect: Plug one end of the AV compu link cable into the AV COMPU LINK INPUT on your VCR, DVD, or other compu link device. Plug the other end of the AV compu link cable into the AV COMPU LINK at the rear of the TV.

Note:

- The AV compu link cable has a male 3.5 mm (mono) plug on each end.

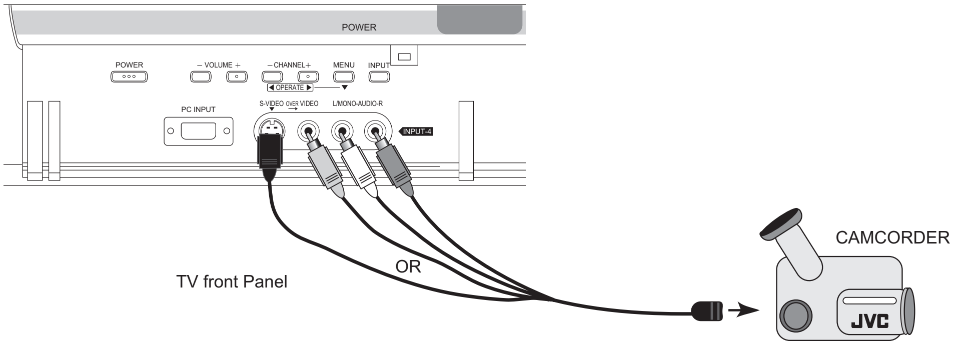


Notes:

- In order for the VCR playback to begin automatically, the recording tabs must be removed from the VHS tape. If the tab is in place, automatic switching will occur when you push the VCR's PLAY button.
- If your JVC brand VCR has "A code/B code remote control switching" (see your VCR's instruction book), using VCR A code will switch the TV to input 1.
- Refer to your DVD instruction book for detailed connection information.
- To connect a JVC HiFi receiver or amplifier for a completely automated home theater, see the receiver connection instructions for detailed connection information.
- AV CompuLink is compatible with select AV CompuLink receivers.

Connecting to a Camcorder

You may connect a camcorder, game console or other equipment to your television by using the front input jacks (Input 4) located under the front panel door. To access, push on the door to open it. You can also connect these using the television's rear input jacks, using the same instructions.

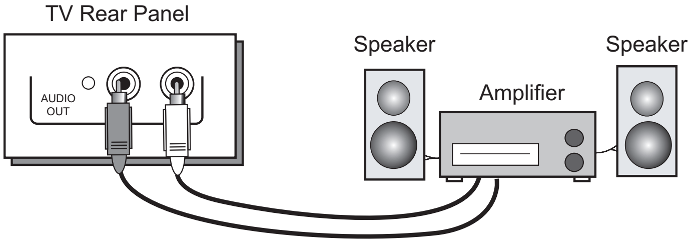

POWER
POWER
– VOLUME +
– CHANNEL +
MENU
INPUT
OPERATE
PC INPUT
S-VIDEO OVER VIDEO
L/MONO-AUDIO-R
INPUT-4
CAMCORDER
OR
TV front Panel
JVC

1) Connect a yellow composite cable from the camcorder VIDEO OUT, into the VIDEO IN on the front of the TV, OR connect an S-Video cable from the front of the TV to the camcorder.
2) Connect a white composite cable from the camcorder LEFT AUDIO OUT, into the LEFT AUDIO IN on the front of the TV.
3) Connect a red composite cable from the camcorder RIGHT AUDIO OUT, into the RIGHT AUDIO IN on the front of the TV.

Note:

- If your camcorder is a mono sound model it will have only one AUDIO OUT. Connect it to the LEFT AUDIO IN on the front of the TV.

Connecting to an External Amplifier


TV Rear Panel
AUDIO OUT
Speaker
Speaker
Amplifier

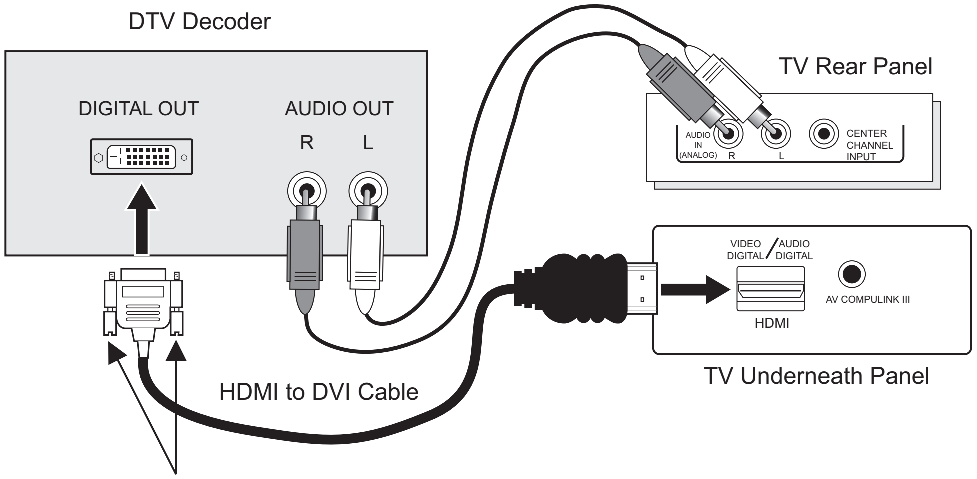
1) Connect a white composite cable from the LEFT AUDIO OUTPUT on the back of the TV to the LEFT AUDIO INPUT on the amplifier.
2) Connect a red composite cable from the RIGHT AUDIO OUTPUT on the back of the TV to the RIGHT AUDIO INPUT on the amplifier.

Notes:

- Refer to your amplifier's manual for more information.
- You can use AUDIO OUTPUT for your home theater system.

Connecting to a Digital TV Receiver

By connecting a Digital TV Receiver, high definition pictures can be displayed on your TV in their digital form.


DTV Decoder
DIGITAL OUT
AUDIO OUT
R
L
TV Rear Panel
AUDIO IN (ANALOG)
R
L
CENTER CHANNEL INPUT
VIDEO DIGITAL/AUDIO DIGITAL
HDMI
AV COMPULINK III
TV Underneath Panel
HDMI to DVI Cable

After the connections have been made,
tighten the screw to secure the cables.

1) Connect the HDMI to DVI Cable from the DIGITAL OUT on the back of your DTV decoder, to the DIGITAL-IN on the back of your television.
2) Connect a red cable from the DTV decoder RIGHT AUDIO OUT, to the RIGHT AUDIO DIGITAL-IN on the back of your television.
3) Connect a white cable from the DTV decoder LEFT AUDIO OUT, to the LEFT AUDIO DIGITAL-IN on the back of your television.

- The digital-in terminal is not compatible with the picture signal of a personal computer.
- Use a HDMI to DVI cable (commercially available) in order to digitally connect the television with a DTV decoder.

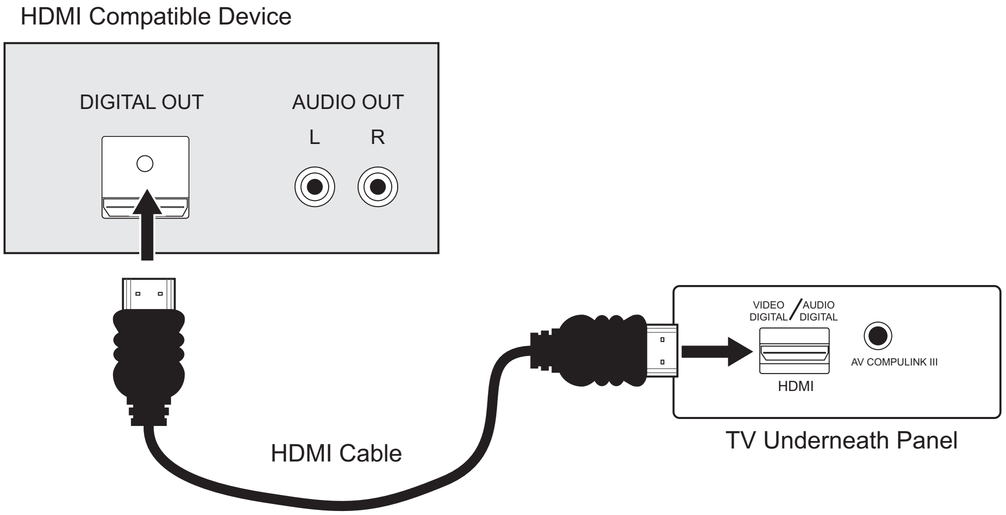
Notes:

- If 480p signals (640x480 or 720x480) are displayed on the screen, the horizontal balance may be slightly shifted. Access the “DIGITAL-IN” in the initial setup menu to adjust it. (Refer to page 48.)
- When you do the above connection, set DIGITAL-IN AUDIO in the Initial Setup menu to ANALOG. See "DIGITAL-IN AUDIO", page 49.

Connecting to a HDMI Compatible Device

By connecting a HDMI compatible device, high definition pictures can be displayed on your TV in their digital form. Some HDMI devices can include DVD players, D-VHS or any HDMI compatible device.

HDMI (High Definition Multimedia Interface) is the first industry supported, uncompressed, all digital audio/video interface. HDMI provides and interface between any audio/video source, such as a set-top box, DVD player, A/V receiver or an audio and/or video monitor, such as a digital television (DTV).


HDMI Compatible Device
DIGITAL OUT
AUDIO OUT
L
R
VIDEO DIGITAL
AUDIO DIGITAL
AV COMPULINK III
HDMI
HDMI Cable
TV Underneath Panel

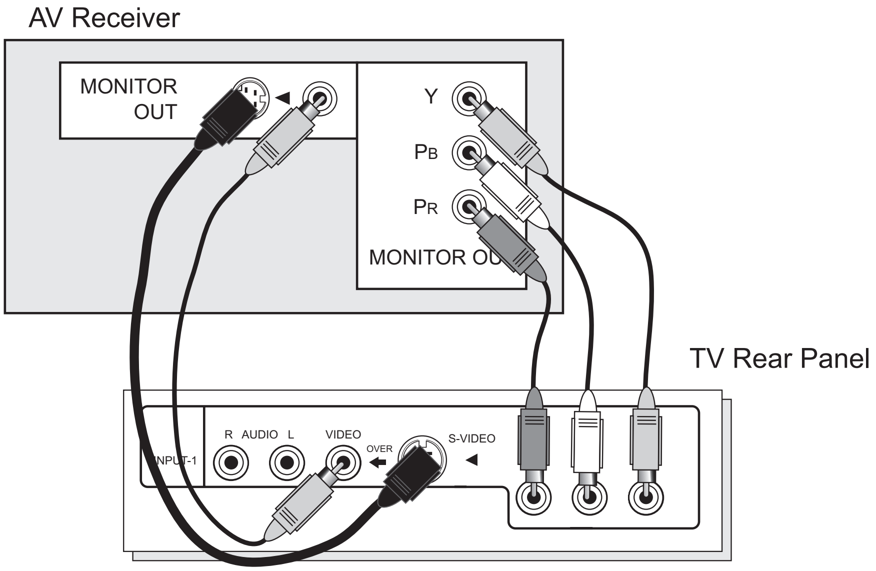
1) Connect the HDMI Cable from the DIGITAL OUT on the back of your DTV or HDMI device, to the DIGITAL-IN on the back of your television.

Note:

- When you do the above connection, set DIGITAL-IN AUDIO in the Initial Setup menu to DIGITAL. See "DIGITAL-IN AUDIO", page 49.

Connecting to an AV Receiver using your television's V1 Smart Input

By connecting your AV Receiver to your television's V1 Smart Input, you can watch picture sources from many different devices, without having to change or use the other input connections on your TV. This allows you to free up the other input connections so you can connect more devices to your television.



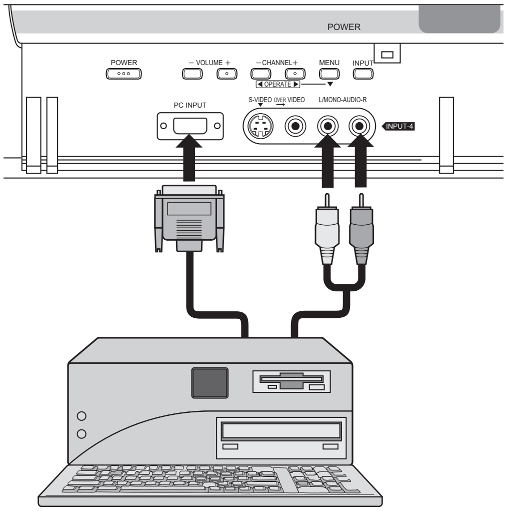
1) Connect an S-Video Cable from the AV Receiver's MONITOR OUT, to the S-Video INPUT-1 on the back of your TV.
2) Connect a Yellow Component Cable from the AV Receiver's MONITOR OUT, into the VIDEO INPUT-1 on the back of your TV.
3) Connect a Green Component Cable from the AV Receiver's Y MONITOR OUT, into the Y VIDEO INPUT-1 on the back of your TV.
4) Connect a Blue Component Cable from the AV Receiver's PB MONITOR OUT, into the PR VIDEO INPUT-1 on the back of your TV.
5) Connect a Red Component Cable from the AV Receiver's PB MONITOR OUT, into the PR VIDEO INPUT-1 on the back of your TV.

Notes:

- Please refer to your AV Receiver instruction manual for more information on connecting your speakers and other devices like a DVD player.
- Use your AV Receiver's remote to switch to the different devices you have connected.
- Some AV Receiver's may not respond when the V1 Smart Input function is turned on.
- If you have video connections for each input device connected to your AV Receiver, you should not connect them using both S-Video and Composite connection at the same time when you are using V1 input as the V1 Smart Input. In this case we recommend using the S-Video connection.

Connecting to the computer

This TV can be used as a computer screen. Use a commercially available D-SUB cable to connect the TV's PC INPUT terminal to the computer's analog RGB output terminal. If you want to listen to the sound from the computer, use a commercially available RCA cable to connect the INPUT-4 audio input terminal to the computer's audio output terminal. When the sound from the computer is mono, connect to the L/MONO of INPUT-4.



Notes:

- Refer to your computer manual for a detailed explanation of the connections concerning your computer.
- Make sure that the connectors are facing the correct way when connecting.
- After connecting, tighten the two screws to fix the connectors in place.

Looking at the images from a computer

After starting the computer, press the INPUT button to choose INPUT-4. You can listen to the sound when the sound from the computer is connected to the INPUT-4 AUDIO input terminal.

Notes:

- When the sound from the computer is connected to INPUT-4 by choosing external input INPUT-4, the sound from the computer can be listened to, but the images from the computer cannot be seen.

Table of signals for each type of computer

Resolution	Vertical Frequency (Hz)	Horizontal Frequency (kHz)
640 x 480 (VGA)	60.0	31.5
1024 x 768 (XGA)	60.0	42.0

- Only the above formats are supported.
- Even with the above formats at 60 Hz, some problems may be experienced depending on the quality of the synchronous signal. (Depending on the quality, some pictures may not be displayed correctly).
- Apple Macintosh* computers are not supported.

When a picture is not displayed

With some computers, some problems can be solved by changing the settings. Check the computer's refresh rate and set it to 60Hz. Computers that cannot set the refresh rate to 60 Hz, can not be used with this TV. Refer to the computer's instruction manual.

*Apple Macintosh is a registered trademark of Apple Computer, Inc.

Step 3 – The Interactive Plug In Menu

When you turn your television on for the first time the interactive plug-in menu will appear. The plug-in menu helps you to get your TV ready to use by letting you set your preferences for:

- The language in which you want the onscreen menus to appear.
- Setting the TV's clock to the correct time so your timer functions will work properly. You can choose "AUTO" or "MANUAL" for setting the clock.
- The auto tuner setup of which channels you wish to receive.

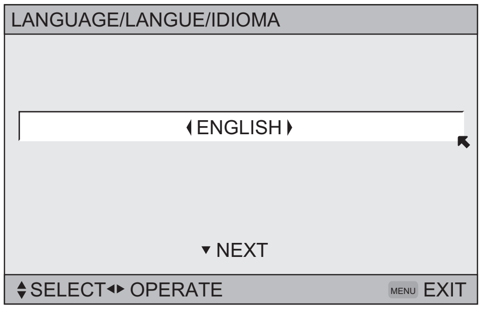
We recommend you complete the interactive plug-in items before you start using your television.

Notes:

- The interactive plug-in menu setting does not appear if your TV has been turned on before. In this case use the onscreen menus to perform these settings. See pages 42, 55 and 33.
- If you press the Menu button while setting up the interactive plug-in menu, it will skip over it.

Language

After the "JVC INTERACTIVE PLUG IN MENU" has been displayed, the TV automatically switches to the LANGUAGE settings. You can choose to view your onscreen menus in three languages: English, French (Français) or Spanish (Español).

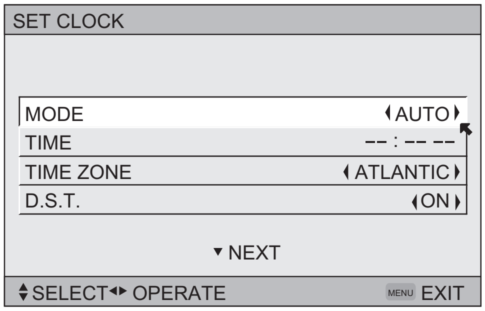


◀▶	To choose a language: (English, Français or Español)
▼	To NEXT (To set clock)

(To be continued...)

Auto Clock Set

Before you use any of your TV's timer functions, you must first set the clock. You may precisely set your clock using the XDS time signal broadcast by most public broadcasting stations. If you do not have this in your area, you will have to set the clock manually. See manual clock set below. To set the clock using the XDS signal:



MODE ◀AUTO▶
TIME -- : -- --
TIME ZONE ◀ATLANTIC▶
D.S.T. ◀ON▶

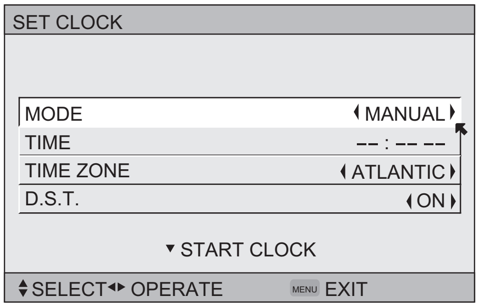
◀▶	To choose AUTO
▼	To TIME ZONE
◀▶	To select your time zone: (Atlantic, Eastern, Central, Mountain, Pacific, Alaska or Hawaii)
▼	To move to D.S.T. (Daylight Savings Time)
◀▶	To turn D.S.T. ON or OFF
▼	To NEXT (To Auto Tuner Setup)

Notes:

- D.S.T. can be used only for US and Canada when it is set to ON in the SET CLOCK menu.
- Only when the MODE set to AUTO, the Daylight Savings Time feature automatically adjusts your TV's clock for Daylight Savings. The clock will move forward one hour at 2:00 am on the first Sunday in April. The clock will move back one hour at 2:00 am on the last Sunday in October.
- You will have to reset the clock after a power interruption. You must set the clock before operating any timer functions.

Manual Clock Set

To set your clock manually (without using the XDS signal), choose MANUAL. If you choose AUTO, see auto clock set above.



MODE ◀MANUAL▶
TIME -- : -- --
TIME ZONE ◀ATLANTIC▶
D.S.T. ◀ON▶

◀▶	To choose MANUAL
▼	To TIME
◀▶	To set the hour
▼	To minute
◀▶	To set the minute
▼	To Start Clock

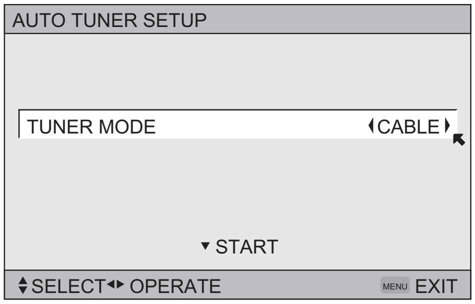
Note:

- You will have to reset the clock after a power interruption. You must set the clock before operating any timer functions.

(To be continued...)

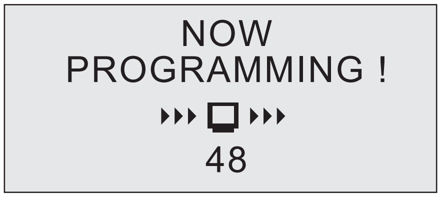
Auto Tuner Setup

In auto tuner setup, the TV automatically scans through all available channels, memorizing the active ones and skipping over blank ones or channels with weak signals. This means when you scan (using the CHANNEL +/– buttons) you will receive only clear, active channels.



TUNER MODE ◀CABLE▶

◀▶	To choose CABLE or AIR (or SKIP when you skip Auto Tuner Setup)
▼	To START



NOW PROGRAMMING !

48

Programming will take approximately 1 to 2 minutes.

When the setup is finished, THANK YOU!! SETUP IS NOW COMPLETE is displayed. Your quick setup is now complete. You can now begin watching your television, or you can continue on in this guide for more information on programming your remote control, or using the JVC onscreen menu system to customize your television viewing experience.

Notes:

- Noise muting will not work during Auto Tuner Setup.
- Skip appears only for interactive plug-in menu.

Cable Box and Satellite Users: After your auto tuner setup is complete, you may, (depending on the type of hookup), have only 1 channel, usually 3 or 4 in the auto tuner memory. This is normal.

The Quick Setup is complete

Remote Programming

Setting the CATV, VCR and DVD Codes

You can program your remote to operate your cable box, satellite receiver, VCR or DVD player by using the instructions and codes listed below. If the equipment does not respond to any of the codes listed below or to the code search function, use the remote control supplied by the manufacturer.

Cable Box or Satellite Codes

The remote control is programmed with cable box and satellite codes for power on/off, channel up/down, and 10 key operation.

1) Find the cable box or satellite brand from the list of codes shown below.
2) Slide the 2-way selector switch to “CATV”.
3) Press and hold down the Display button, then enter the first code number listed with the 10 key pad.
4) Release the Display button, and confirm the operation of the cable box/satellite receiver.

- If your cable or satellite box does not respond to the first code, try the others listed. If it does not respond to any code, try the search codes function, on page 29.

Cable Box	CODES
ABC	024
Archer	032, 025
Cableview	051, 032
Citizen	022, 051
Curtis	058, 059
Diamond	024, 032, 025
Eagle	029
Eastern	034
GC Brand	032, 051
Gemini	022, 043
General Instrument	065, 024, 025, 026, 027, 020, 021, 022, 057, 023
Hamlin	040, 041, 042, 045, 058, 064
Hitachi	049, 024
Jerrold	065, 024, 025, 026, 027, 020, 021, 022, 057, 023
Macom	049, 050, 051, 054
Magnavox	033
Memorex	030
Movietime	032, 051
Oak	039, 037, 048
Panasonic	055, 056, 060, 071, 073
Paragon	063
Philips	028, 029, 030, 052, 053, 031, 069
Pioneer	047, 062
Pulsar	051, 032

Cable Box	CODES
Puser	032
RCA	061, 070
Realistic	032
Regal	058, 064, 040, 041, 042, 045, 068
Regency	034
Rembrandt	037, 032, 051, 038
Samsung	051
Scientific Atlanta	057, 058, 059
SLMark	051, 047
Sprucer	051, 056
Stargate	032, 051
Telecaption	067
Teleview	047, 051
Texscan	044
Tocom	035, 036, 066
Toshiba	050
Unika	032, 025
Universal	022, 032
Videoway	052
Viewstar	029, 030
Zenith	063, 046
Zenith/Drake Satellite	046

Digital Satellite Systems	CODES
Echostar	100, 113, 114, 115
Express VU	100, 113
G.E.	106
G.I.	108
Gradiente	112
Hitachi	104, 111
HNS (Hughes)	104
Panasonic	105
Philips	102, 103
Primestar	108
Proscan	106, 109, 110
RCA	106, 109, 110
Sony	107
Star Choice	104, 108
Toshiba	101
Uniden	102, 103

VCR Codes

The remote control is programmed with VCR codes for power on/off, play, stop, fast-forward, rewind, pause, record, channel up/down operation.

1) Find the VCR brand from the list of codes shown below.
2) Slide the first 2-way selector switch to “TV” and the other 2-way selector switch to “VCR”.
3) Press and hold down the Display button, then enter the first code number listed with the 10 key pad.
4) Release the Display button, and confirm the operation of the VCR.

- If your VCR does not respond to the first code, try the others listed. If it does not respond to any of the codes, try the search codes function on page 29.

- After you program your remote, some VCR buttons may not work properly. If so, use the VCR’s remote.

- To record, hold down the Rec button on the remote and press Play.

VCRs	CODES
Admiral	035
Aiwa	027, 032, 095
Akai	029, 072, 073, 074
Audio Dynamic	003, 005
Bell & Howell	063, 071
Broksonic	020, 026, 094
Canon	023, 025
CCE	043
Citizen	064
Craig	063, 029, 064
Curtis Mathes	045, 024, 027, 093
Daewoo	043, 059, 024, 092
DBX	003, 004, 005
Dimensia	045, 093
Emerson	043, 026, 077, 061, 025, 042, 020, 076
Fisher	063, 066, 067, 065, 071, 091
Funai	027, 026, 020, 000
G.E.	033, 045, 024
Go Video	037, 051, 049, 050, 089
Goldstar	064
Gradiente	083, 084, 081, 000, 001
Hitachi	023, 045, 058, 027, 081, 093
Instant Replay	024, 023
Jensen	003
JVC	000, 001, 002, 003, 004, 005
Kenwood	003, 004, 064, 005
LXI	027, 064, 058, 065, 066, 063, 067
Magnavox	031, 023, 024, 086

VCRs	CODES
Marantz	003, 004, 005
Marta	064
Memorex	024, 067
MGA	038, 040, 047, 048, 041, 042
Minolta	058, 045, 093
Mitsubishi	038, 040, 047, 048, 041, 042, 078, 090
Multitech	047, 027, 062
NEC	003, 004, 005, 000
Olympic	024, 023
Optimus	028, 021, 035, 064
Orion	026, 020
Panasonic	023, 024, 021, 022
Penney	024, 058, 045, 063, 003, 004, 005, 093
Pentax	058, 005, 045, 093
Philco	031, 024, 027, 023, 026, 020, 043
Philips	031, 023, 024, 086
Pioneer	023
Proscan	045, 058, 023, 024, 031, 046, 059, 060, 033, 087, 093
Quasar	021, 022, 023, 024
Radio Shack	033, 024, 063, 036, 067, 040, 027
RCA	033, 045, 058, 023, 024, 031, 046, 059, 060, 083, 084, 085, 087, 093
Realistic	024, 063, 036, 067, 040, 027

VCRs	CODES
Samsung	037, 060, 062, 033, 089
Samtron	089
Sansui	003, 026, 020, 052
Sanyo	063, 067, 091, 071
Scott	059, 060, 062, 067, 038, 040, 047, 048, 026, 020
Sears	063, 064, 065, 066, 058, 000, 001
Shintom	075
Sharp	035, 036, 080, 088
Signature 2000	027, 035
Singer	075
Sony	028, 029, 030, 053, 054, 055
SV 2000	027
Sylvania	031, 023, 024, 027
Symphonic	027, 081
Tashiro	064
Tatung	003, 004, 005
Teac	003, 004, 027, 005
Technics	021, 022, 023, 024
Teknika	024, 027, 070
Toshiba	059, 046, 079
Vector Research	005
Wards	035, 036, 067, 044, 064
Yamaha	063, 003, 004, 005
Zenith	044, 082, 064, 094

Remote Programming

DVD Codes

The remote control is programmed with DVD codes for power on/off, play, stop, fast-forward, rewind, previous/next chapter, tray open/close, and still/pause operation.

1) Find the DVD player brand from the list of codes shown below.
2) Slide the first 2-way selector switch to “TV” and the other 2-way selector switch to “DVD”.
3) Press and hold down the Display button, then enter the first code number listed with the 10 key pad.
4) Release the Display button, and confirm the operation of the DVD player.

- If your DVD player does not respond to the first code, try the others listed. If it does not respond to any of the codes, try the search codes function on page 29.
- After you program your remote, some DVD buttons may not work properly. If so, use the DVD player’s remote.

DVD Player	CODES	DVD Player	CODES
Aiwa	043	RCA	021, 026
Apex	040	Sampo	034
Denon	020, 037	Samsung	030
Hitachi	030, 031	Sharp	028
JVC	000	Silvania	038
Kenwood	035	Sony	024, 045, 046, 047
Konka	039		
Mitsubishi	025	Technics	020
Onkyo	041	Toshiba	023
Oritron	044	Vialta	050
Panasonic	020	Wave	042
Philips	023, 036	Yamaha	020
Pioneer	022	Zenith	027, 032
Raite	033		

Search Codes

Cable/Satellite Search Codes Function

1) Slide the first 2-Way Mode Selector switch to CATV.
2) Press the POWER and RETURN+ buttons. Hold for at least three seconds and release.
3) Press the POWER button on the remote, and see if the cable or satellite box responds.
4) If there was a response, press RETURN+. The codes are now set. If there was no response, repeat Step 3. If you repeat Step 3 a total of 80 times without a response, use the remote control that came with your equipment.
5) Press RETURN+ to exit.

VCR/DVD Search Codes Function

1) Slide the first 2-way selector switch to “TV” and the other 2-way selector switch to “VCR” or “DVD”.
2) Press the VCR or DVD POWER and RETURN+ buttons. Hold for at least three seconds and release.
3) Press the VCR or DVD POWER button, and see if the VCR or DVD responds.
4) If there was a response, press RETURN+. The codes are now set. If there was no response, repeat Step 3. If you repeat Step 3 a total of 80 times for the VCR (40 times for the DVD player), and there is no response, use the remote control that came with your equipment.
5) Press RETURN+ to exit.

Onscreen Menus

Using the Guide

Certain symbols are used throughout this guide to help you learn about the features of your new television. The ones you will see most frequently are:

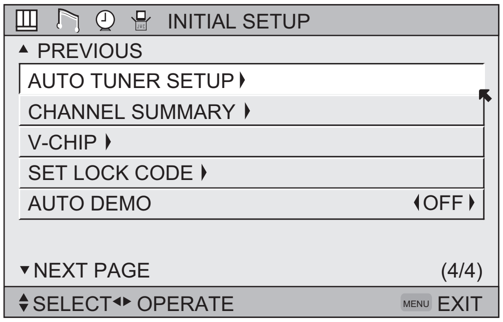
▲▼ Up and Down arrows mean press the CH+ or CH– buttons. Pressing the CH+ or CH– buttons let you:
- Move vertically in a main menu screen
- Move through a submenu screen
- Move to the next letter, number, or other choice in a submenu
- Back up to correct an error
- Scan through TV channels (when not in a menu screen)

◀▶ Left and right arrows mean press the VOLUME+ or VOLUME- buttons to move left or right to:
- Select a highlighted menu item
- Select an item in a submenu
- Select numbers in certain menu options
- Turn the volume up or down (when not in a menu screen)

☝ The "press button" icon means you should press the button named on your remote control. (Button names appear in SMALL CAPITAL LETTERS.)

↖ The "helping arrow" icon points to the highlighted or selected item in a menu.

To bring up the onscreen menu, press the MENU button on the remote control. The item that appears in green is the one currently selected. If you use the Menu button on the TV's front panel instead of the remote, an additional menu screen showing INPUT, VIDEO STATUS and ASPECT will appear between INITIAL SETUP and PICTURE ADJUST. The "interactive plug-in menu" will appear the first time the TV is plugged in.



Note:

- Menus shown in this book are illustrations, not exact replications of the television's onscreen displays.

Onscreen Menus

The Onscreen Menu System

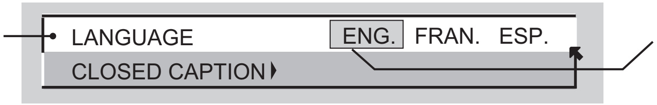
Your television comes with JVC's onscreen menu system. The onscreen menus let you make adjustments to your television's operation simply and quickly. Examples of the onscreen menus are shown on the next page. Detailed explanations on using each menu follow later in this guide. For information about the interactive plug-in Menu, see pages 23 - 25.

The Onscreen Menu System

To open the onscreen menu system, press the Menu button on the remote control. You navigate within the onscreen menus by using the four directional arrow buttons on the remote control. (These buttons are also the Ch +/– and Vol +/– buttons. Channel and volume functions will not operate when the onscreen menu is active).

The selected feature and option on a menu screen are highlighted in a different color.

Selected Option (Green)



Selected Option (Blue)

To move to a different feature use the ▲▼ arrows to move up or down the list. When you press the up arrow at the top of the list or the down arrow at the bottom, the next menu screen will appear. Use the arrows ◄ ► to select an option from the highlighted feature. Pressing Menu on the remote control will close the onscreen menu system and return you to normal television viewing.

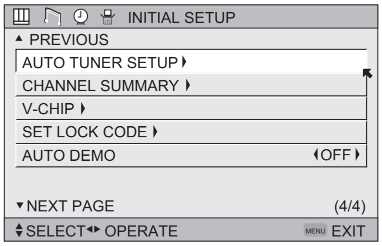
Each menu and its features will be discussed in the following pages of this guide.

Notes:

- If you do not press any buttons for a few seconds, the onscreen menu will automatically shut off.
- Button names in this guide are shown in Small Capital Letters.
- Menus may appear in different sizes onscreen depending on the aspect ratio selected.
- Some menu items may not appear in menu screens when certain aspect ratios or inputs are selected.

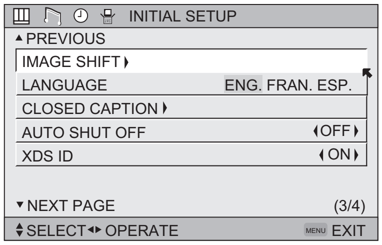
Onscreen Menus

Press the MENU button



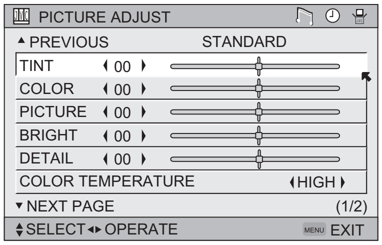
INITIAL SETUP
▲ PREVIOUS
AUTO TUNER SETUP ▶
CHANNEL SUMMARY ▶
V-CHIP ▶
SET LOCK CODE ▶
AUTO DEMO ◀OFF▶
▼NEXT PAGE (4/4)
⬍SELECT◀▶ OPERATE MENU EXIT

INITIAL SETUP 04



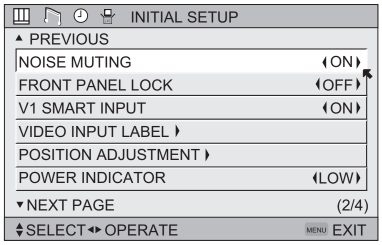
INITIAL SETUP
▲PREVIOUS
IMAGE SHIFT ▶
LANGUAGE ENG. FRAN. ESP.
CLOSED CAPTION ▶
AUTO SHUT OFF ◀OFF▶
XDS ID ◀ON▶
▼NEXT PAGE (3/4)
⬍SELECT◀▶ OPERATE MENU EXIT

INITIAL SETUP 03



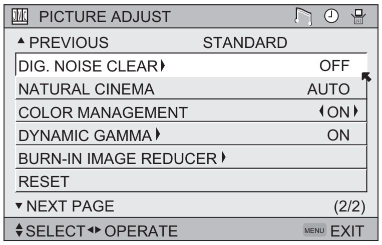
PICTURE ADJUST
▲ PREVIOUS STANDARD
TINT ◀ 00 ▶
COLOR ◀ 00 ▶
PICTURE ◀ 00 ▶
BRIGHT ◀ 00 ▶
DETAIL ◀ 00 ▶
COLOR TEMPERATURE ◀HIGH▶
▼NEXT PAGE (1/2)
⬍SELECT◀▶ OPERATE MENU EXIT

PICTURE ADJUST 01



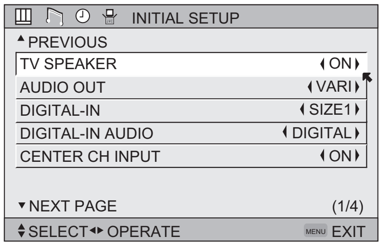
INITIAL SETUP
▲ PREVIOUS
NOISE MUTING ◀ON▶
FRONT PANEL LOCK ◀OFF▶
V1 SMART INPUT ◀ON▶
VIDEO INPUT LABEL ▶
POSITION ADJUSTMENT ▶
POWER INDICATOR ◀LOW▶
▼NEXT PAGE (2/4)
⬍SELECT◀▶ OPERATE MENU EXIT

INITIAL SETUP 02



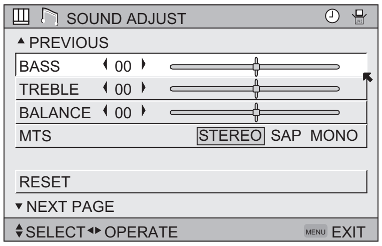
PICTURE ADJUST
▲PREVIOUS STANDARD
DIG. NOISE CLEAR ▶ OFF
NATURAL CINEMA AUTO
COLOR MANAGEMENT ◀ON▶
DYNAMIC GAMMA ▶ ON
BURN-IN IMAGE REDUCER ▶
RESET
▼NEXT PAGE (2/2)
⬍SELECT◀▶ OPERATE MENU EXIT

PICTURE ADJUST 02



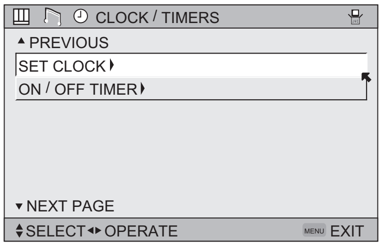
INITIAL SETUP
▲PREVIOUS
TV SPEAKER ◀ON▶
AUDIO OUT ◀VARI▶
DIGITAL-IN ◀SIZE1▶
DIGITAL-IN AUDIO ◀DIGITAL▶
CENTER CH INPUT ◀ON▶
▼NEXT PAGE (1/4)
⬍SELECT◀▶ OPERATE MENU EXIT

INITIAL SETUP 01



SOUND ADJUST
▲PREVIOUS
BASS ◀ 00 ▶
TREBLE ◀ 00 ▶
BALANCE ◀ 00 ▶
MTS STEREO SAP MONO
RESET
▼NEXT PAGE
⬍SELECT◀▶ OPERATE MENU EXIT

SOUND ADJUST



CLOCK / TIMERS
▲PREVIOUS
SET CLOCK ▶
ON / OFF TIMER ▶
▼NEXT PAGE
⬍SELECT◀▶ OPERATE MENU EXIT

CLOCK/TIMERS

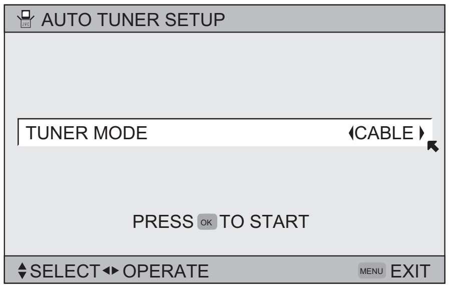
Notes:

- The DIGITAL-IN menu can only be displayed when a 480p picture signal is input to the digital-in terminal and the picture is being displayed on the screen.
- When the Menu button on the TV side panel is pressed, the FRONT PANEL CONTROL menu between INITIAL SETUP 04 and PICTURE ADJUST 01 will appear.

Auto Tuner Setup

The auto tuner setup function is described on page 25 as the interactive plug-in menu. If you need to run the auto tuner setup again, follow the steps below.

Press the MENU button
▲▼ To AUTO TUNER SETUP
◀▶ To operate
◀▶ To choose CABLE or AIR
Press the OK button to start



TUNER MODE ◀CABLE▶

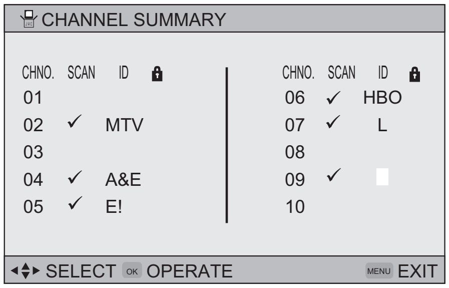
Programming will take approximately 1 to 2 minutes. The auto tuner is finished when the message **PROGRAMMING OVER!** appears onscreen.

Press the Menu button when finished

Channel Summary

Channel summary allows you to customize the line-up of channels received by your TV. You can add or delete channels from the line-up or set the channel label as you like or prevent any unauthorized viewers from watching any or all 181 channels.

Press the MENU button
▲▼ To CHANNEL SUMMARY
◀▶ To operate



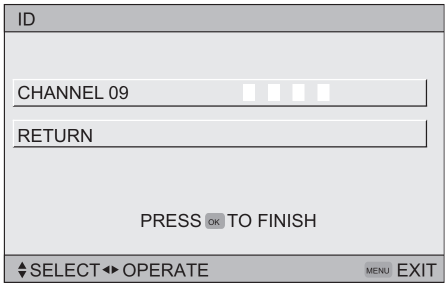
CHNO.	SCAN	ID	🔒	CHNO.	SCAN	ID	🔒
01				06	✓	HBO	
02	✓	MTV		07	✓	L	
03				08			
04	✓	A&E		09	✓		
05	✓	E!		10			

The Channel summary screen will now be displayed with the channels set to scan marked with an "√". You can delete channels from the scan by removing the "√". If any channels were missed during auto tuner setup and you wish to add them, you may by placing an "√" next to the channel number.

▲▼◀▶ To the SCAN column
Press the OK button to include or delete from scan
Press the MENU button when finished

Initial Setup

How to set the channel label.



Press the MENU button

▲▼ To CHANNEL SUMMARY
◀▶ To operate
▲▼ To the ID column

Press the OK button to enter

◀▶ To select the character you want
▲▼ To move to the next space

...continue to follow these directions for all four spaces

Press the OK button to finish

Your characters are now set

Press the MENU button when finished

If you want to reset the characters you set:

Press the MENU button

▲▼ To CHANNEL SUMMARY
◀▶ To enter
▲▼ To select RESET

Press the OK button to finish

Your characters are now reset

Notes:

- You can use characters for: Alphabet, numbers, marks and spaces.
- It is possible to set the maximum of 40 channel labels.
- If you try to set more than the 40 maximum, the message "MEMORY OVERFLOW" will appear.

You can block access to a channel by activating the channel lock.

Press the MENU button

▲▼ To CHANNEL SUMMARY

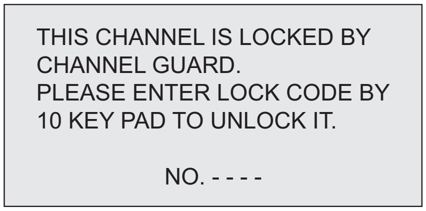
◀▶ To operate
▲▼◀▶ To the Lock Column (🔒)
Press the ZERO button to lock or unlock that channel
Press the MENU button when finished

Channel Guard Message

When a viewer attempts to watch a guarded channel, the following message appears:

To watch a channel that you have locked, enter the Lock Code using the 10 key pad.
If the wrong code is entered, the message "INVALID LOCK CODE!" will flash on the screen.

The channel cannot be accessed until the correct code is entered.



THIS CHANNEL IS LOCKED BY
CHANNEL GUARD.
PLEASE ENTER LOCK CODE BY
10 KEY PAD TO UNLOCK IT.

NO. - - - -

Notes:

- Once a channel has been unlocked, it will remain unlocked until the television is turned off.
- See also "Set Lock Code", page 41.

V-Chip

Your TV is equipped with V-Chip technology which enables you to block channels or content that you feel to be inappropriate for children, based on US and Canada rating guidelines.
V-Chip has no effect on video signals from a DVD discs, VCR tapes or Camcorder connection.

Note: Some programs, and movies are broadcast without a ratings signal. Even if you set up V-CHIP ratings limits, these programs will not be blocked. See page 36 for information on how to block unrated programs.

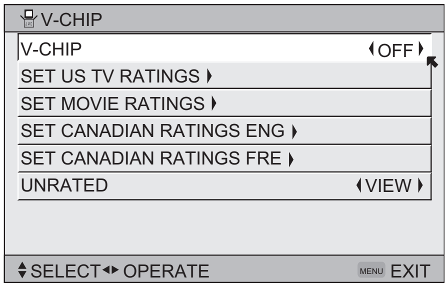
Note (for Canadian viewers): The V-Chip function is based on specifications designed for the United States and therefore may not work properly in Canada.

You can customize the V-Chip settings of your television to match your personal tastes. The V-Chip menu below is the starting point for your V-Chip settings

You can use US V-Chip settings (for programming broadcast from the United States), Canadian V-Chip settings (for programming broadcast from Canada), and movie ratings. You may use any or all of the settings (US V-Chip, Canada V-Chip, Movie ratings). Descriptions for setting each of the three V-Chip formats appear in the next six pages along with descriptions of the rating categories.

To access the rating categories:

Press the MENU button
▲▼ To V-CHIP
◀▶ To operate (Lock icon 🔒 will appear)
Press ZERO to access the V-Chip menu
◀▶ To turn V-Chip ON or OFF (V-Chip must be turned ON for rating settings to operate)
▲▼ To move to SET US TV RATINGS, SET MOVIE RATINGS, or SET CANADIAN RATINGS (see following pages for descriptions of each item)



V-CHIP
V-CHIP ◀OFF▶
SET US TV RATINGS ▶
SET MOVIE RATINGS ▶
SET CANADIAN RATINGS ENG ▶
SET CANADIAN RATINGS FRE ▶
UNRATED ◀VIEW▶
▲▼SELECT ◀▶OPERATE MENU EXIT

Unrated Programs

Unrated programming refers to any programming which does not contain a rating signal. Programming on television stations which do not broadcast rating signals will be placed in the "Unrated Programming" category.

Examples of Unrated programs:

- Emergency Bulletins
- News
- Public Service Announcements
- Sports
- Some Commercials
- Locally Originated Programming
- Political Programs
- Religious Programs
- Weather

Note:

- TV programs or movies that do not have rating signals will be blocked if the unrated category is set to BLOCK.

Directions to Block Unrated Programs

You can block programs that are not rated.

Press the MENU button

▲▼ To V-CHIP

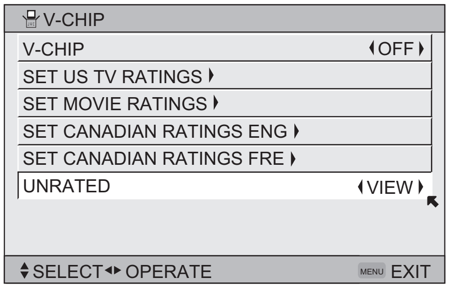
◀▶ To operate (The lock icon 🔒 appears)

Press ZERO to access V-Chip setup options

▲▼ To UNRATED

◀▶ To VIEW or BLOCK

Press MENU when done



V-CHIP

V-CHIP ◀OFF▶

SET US TV RATINGS ▶

SET MOVIE RATINGS ▶

SET CANADIAN RATINGS ENG ▶

SET CANADIAN RATINGS FRE ▶

UNRATED ◀VIEW▶

US V-Chip Ratings

U.S. PARENTAL RATING SYSTEMS
Programs with the following ratings are appropriate for children.

❐ **TV Y is Appropriate for All Children**
Programs are created for very young viewers and should be suitable for all ages, including children ages 2 - 6.

❐ **TV Y7 is for Older Children**
Most parents would find such programs suitable for children 7 and above. These programs may contain some mild fantasy violence or comedic violence, which children should be able to discern from reality.

Programs with the following ratings are designed for the entire audience.

❐ **TV G stands for General Audience**
Most parents would find these programs suitable for all age groups. They contain little or no violence, no strong language, and little or no sexual dialog or situations.

❐ **TV PG Parental Guidance Suggested**
May contain some, but not much, strong language, limited violence, and some suggestive sexual dialog or situations. It is recommended that parents watch these programs first, or with their children.

❐ **TV 14 Parents Strongly Cautioned**
Programs contain some material that may be unsuitable for children under the age of 14 including possible intense violence, sexual situations, strong coarse language, or intensely suggestive dialog. Parents are cautioned against unattended viewing by children under 14.

❐ **TV MA Mature Audiences Only**
These programs are specifically for adults and may be unsuitable for anyone under 17 years of age. TV MA programs may have extensive V, S, L, or D.

Viewing Guidelines

In addition to the ratings categories explained above, information on specific kinds of content are also supplied with the V-Chip rating. These types of content may also be blocked. The content types are:

- **V/FV** is for VIOLENCE/FANTASY VIOLENCE
- **S** stands for SEXUAL CONTENT
- **L** stands for strong LANGUAGE
- **D** stands for suggestive DIALOG

Initial Setup

Setting US V-Chip Ratings

Press the MENU button

▲▼ To V-CHIP

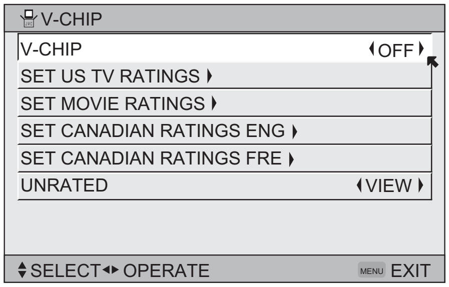
◀▶ To operate (lock icon 🔒 appears)

Press ZERO to access the V-Chip menu

◀▶ To turn V-Chip ON or OFF

▲▼ To move to SET US TV RATINGS

◀▶ To operate



V-CHIP

V-CHIP	◀OFF▶
SET US TV RATINGS ▶	
SET MOVIE RATINGS ▶	
SET CANADIAN RATINGS ENG ▶	
SET CANADIAN RATINGS FRE ▶	
UNRATED	◀VIEW▶

▲▼SELECT◀▶ OPERATE MENU EXIT

Directions to set US V-Chip Ratings

Line up the cursor in the column (TV PG, TV G, etc.) with the content row (V/FV, S, etc.) and press the ▲▼ or ◀▶ to move the cursor to the correct location. Press OK to turn the locking feature on or off. An item is locked if the 🔒 icon appears instead of a “—”.

For example. To block viewing of all TV 14 shows, move the cursor to the top row of that column and add a lock icon. Once you’ve put a lock on the top row, everything in that column is automatically locked.

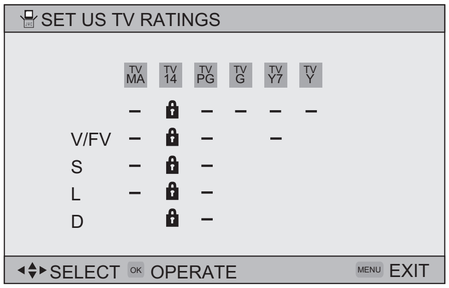
▲▼◀▶ To the TV 14 Column

Press the OK button to lock

Press the MENU button when finished

Note:

- If you want to change the setup, move the cursor to the top column and change the lock icon to “—” by pressing OK again. You may then select individual categories to block.



SET US TV RATINGS

	TV MA	TV 14	TV PG	TV G	TV Y7	TV Y
	–	🔒	–	–	–	–
V/FV	–	🔒	–		–	
S	–	🔒	–			
L	–	🔒	–			
D		🔒	–			

◀▲▼▶SELECT OK OPERATE MENU EXIT

Movies Ratings

- **NR – Not Rated**
  This is a film which has no rating. In many cases these films were imported from countries which do not use the MPAA ratings system. Other NR films may be from amateur producers who didn't intend to have their film widely released.

NR (Not Rated) Programming may contain all types of programming including children's programming, foreign programs, or adult material.

- **G – General Audience**
  In the opinion of the review board, these films contain nothing in the way of sexual content, violence, or language that would be unsuitable for audiences of any age.
- **PG – Parental Guidance**
  Parental Guidance means the movie may contain some contents such as mild violence, some brief nudity, and strong language. The contents are not deemed intense.
- **PG-13 – Parents Strongly Cautioned**
  Parents with children under 13 are cautioned that the content of movies with this rating may include more explicit sexual, language, and violence content than movies rated PG.
- **R – Restricted**
  These films contain material that is explicit in nature and is not recommended for unsupervised children under the age of 17.
- **NC-17 – No One Under 17**
  These movies contain content which most parents would feel is too adult for their children to view. Content can consist of strong language, nudity, violence, and suggestive or explicit subject matter.
- **X – No One under 18**
  Inappropriate material for anyone under 18.

Directions to set Movie (MPAA) Ratings

Press the MENU button

▲▼ To V-CHIP
◀▶ To operate (Lock icon 🔒 appears)

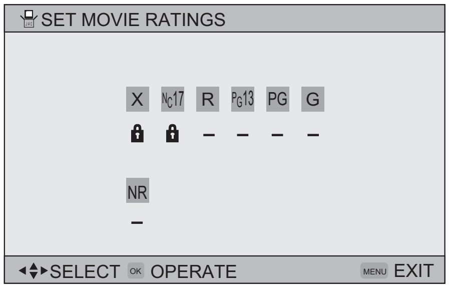
Press ZERO to access V-Chip setup options

▲▼ To SET MOVIE RATINGS
◀▶ To enter movies menu

For example:

To block viewing of X and NC-17 rated from shows:

▲▼◀▶ To the X Column
Press the OK button to lock
▲▼◀▶ To the NC-17 Column
Press the OK button to lock
Press the MENU button to finish



SET MOVIE RATINGS

X	NC17	R	PG13	PG	G
🔒	🔒	–	–	–	–

NR
–

◀▲▼▶SELECT OK OPERATE MENU EXIT

Initial Setup

Canadian V-Chip Ratings

❐ **E – Exempt**
Exempt programming includes: news, sports, documentaries and other information programming, talk shows, music videos, and variety programming.

❐ **C – Programming Intended for Children**
Violence Guidelines: There will be no realistic scenes of violence. Depictions of aggressive behavior will be infrequent and limited to portrayals that are clearly imaginary, comedic or unrealistic in nature.

❐ **C8+ – Programming Intended for Children 8 and Over**
Violence Guidelines: Any realistic depictions of violence will be infrequent, discreet, of low intensity and will show the consequences of the acts. There will be no offensive language, nudity or sexual content.

❐ **G – General Audience**
Programming will contain little violence and will be sensitive to themes which could affect younger children.

❐ **PG – Parental Guidance**
Programming intended for a general audience, but which may not be suitable for younger children. Parents may consider some content not appropriate for children aged 8-13.

❐ **14+ – 14 Years and Older**
Parents are strongly cautioned to exercise discretion in permitting viewing by pre-teens and early teens. Programming may contain mature themes and scenes of intense violence.

❐ **18+ – Adult**
Material intended for mature audiences only.

Directions to set Canadian V-Chip Ratings

Press the MENU button

▲▼ To V-CHIP
◀▶ To operate (lock icon 🔒 appears)

Press ZERO to access V-Chip setup options

▲▼ To SET CANADIAN RATINGS ENG (for English)
◀▶ To enter ratings menu

For example:

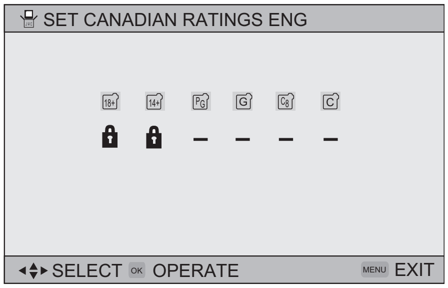
To block viewing of programming rated 14+ and 18+:

◀▶ To the 18+ Column
Press the OK button to lock

◀▶ To the 14+ Column

Press the OK button to lock

Press the MENU button to finish



Note:

- For instructions on "SET CANADIAN RATINGS FRE (in French)", please see page 40 in the French side of this user's guide.

Set Lock Code

Channel guard and V-Chip settings are protected by a four-digit lock code. Your TV comes preset with a lock code of “0000”. You may change the code to any four-digit number you wish. To change the lock code, follow the steps below.

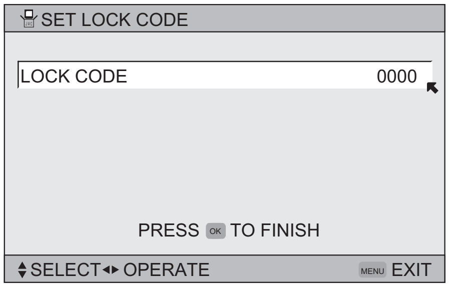
☝ Press the MENU button
▲▼ To SET LOCK CODE
◀▶ To operate (lock icon 🔒 appears)
☝ Press ZERO to access the lock code

The first digit will be highlighted

◀▶ To select the number
▲▼ To move to the next digit

Continue to follow these directions for all four numbers

☝ Press the OK button to finish (your lock code is now set)
☝ Press the Menu button when finished



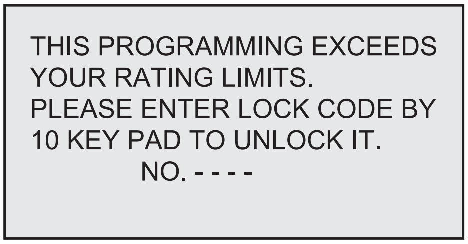
SET LOCK CODE

LOCK CODE 0000

PRESS OK TO FINISH

▲▼SELECT ◀▶ OPERATE MENU EXIT

When a viewer attempts to watch a blocked channel, this message appears:



THIS PROGRAMMING EXCEEDS
YOUR RATING LIMITS.
PLEASE ENTER LOCK CODE BY
10 KEY PAD TO UNLOCK IT.
NO. - - - -

The channel will remain blocked until the correct lock code is entered (see above for information on setting your lock code).

Notes:

- After a power interruption you must reset the lock code.
- Write your lock code number down and keep it hidden from potential viewers.
- If you forget the lock code, a new code may be set using the steps listed above.

Initial Setup

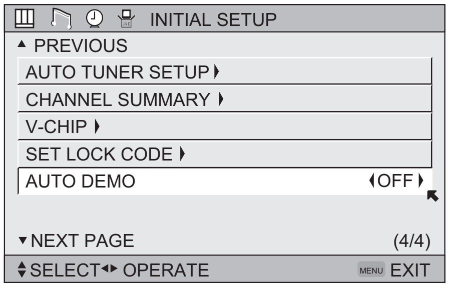
Auto Demo

This function lets you preview the Dynamic Gamma demo.

Press the MENU button

▲▼ To AUTO DEMO

◀▶ To turn AUTO DEMO ON or OFF



INITIAL SETUP
▲ PREVIOUS
AUTO TUNER SETUP ▶
CHANNEL SUMMARY ▶
V-CHIP ▶
SET LOCK CODE ▶
AUTO DEMO ◀OFF▶
▼ NEXT PAGE (4/4)
♦SELECT ◀▶ OPERATE MENU EXIT

Notes:

- Auto demo starts 2 seconds after it is set to ON.
- To stop auto demo, press the MENU button, and select auto demo by pressing the ▲▼ buttons, and turn it off by pressing the ◀▶ buttons. Press the BACK button to finish.

Image Shift

The picture displayed on the screen is shifted up, down and to the left and right at regular intervals. In order to prevent burn-in, set this function to FAST or STANDARD.

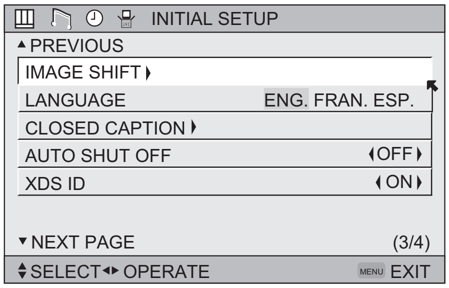
Press the MENU button

▲▼ To IMAGE SHIFT

◀▶ To enter

▲▼ To select the mode “STD (STANDARD)”, “FAST” or “OFF”

Press the MENU button when finished



INITIAL SETUP
▲ PREVIOUS
IMAGE SHIFT ▶
LANGUAGE ENG. FRAN. ESP.
CLOSED CAPTION ▶
AUTO SHUT OFF ◀OFF▶
XDS ID ◀ON▶
▼ NEXT PAGE (3/4)
♦SELECT ◀▶ OPERATE MENU EXIT

OFF: IMAGE SHIFT is turned off.

STD: The picture is shifted every 30 minutes.

FAST: The picture is shifted every 10 minutes.

Language

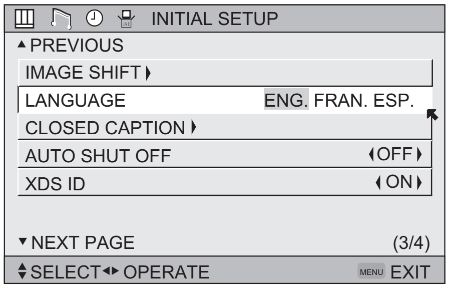
The language function is described on page 23 as the interactive plug-in menu. If you need to choose the language again, follow the steps below.

Press the Menu button

▲▼ To LANGUAGE

◀▶ To choose a language: ENG. (English), FRAN. (French) or ESP. (Spanish)

Press the MENU button when finished



INITIAL SETUP
▲ PREVIOUS
IMAGE SHIFT ▶
LANGUAGE ENG. FRAN. ESP.
CLOSED CAPTION ▶
AUTO SHUT OFF ◀OFF▶
XDS ID ◀ON▶
▼ NEXT PAGE (3/4)
♦SELECT ◀▶ OPERATE MENU EXIT

Closed Caption

Many broadcasts now include an onscreen display of dialog called closed captions. Some broadcasts may also include displays of additional information in text form. Your television can access and display this information using the closed caption feature. To activate the closed caption feature, follow the steps below.

Press the MENU button

▲▼ To CLOSED CAPTION

◀▶ To enter

▲▼ To MODE

◀▶ To select CAPTION, TEXT in MODE

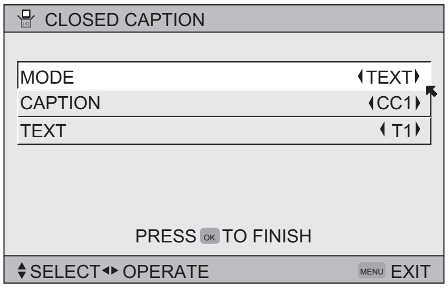
▲▼ To CAPTION or TEXT

◀▶ To select a caption (CC1 to CC4) or text channel

(T1 to T4)

Press the OK button to save

Press the MENU button when finished



CLOSED CAPTION

MODE ◀TEXT▶

CAPTION ◀CC1▶

TEXT ◀T1▶

Notes:

- Closed caption subtitles are usually found on closed caption channel CC1. Some programs may include additional text information which is usually found on text channel T1. The other channels are available for future use.
- Closed captioning may not work correctly if the signal being received is weak or if you are playing a video tape.
- Most broadcasts containing closed captioning will display a notice at the start of the program.
- To select the mode, press the C.C. button. See page 62.

Initial Setup

Auto Shut Off

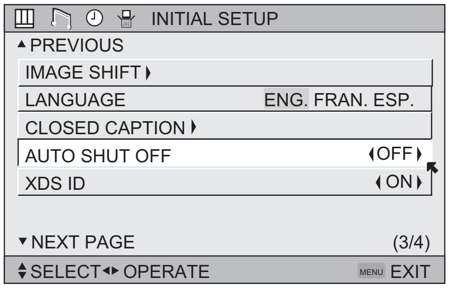
This function automatically shuts off your TV when there is no signal from the channel the TV is on.

Press the Menu button

▲▼ To AUTO SHUT OFF
◀▶ To turn ON or OFF

Press the Menu button when finished

- If the channel that you have on does not receive a signal for more than one minute, the blinking text "NOT RECEIVING A SIGNAL" appears on the screen, and starts the countdown. If no signal is being received within 10 minutes, the TV shuts itself off.



INITIAL SETUP
▲PREVIOUS
IMAGE SHIFT ▸
LANGUAGE ENG. FRAN. ESP.
CLOSED CAPTION ▸
AUTO SHUT OFF ◂OFF▸
XDS ID ◂ON▸
▼NEXT PAGE (3/4)
⬍SELECT ◂▸ OPERATE MENU EXIT

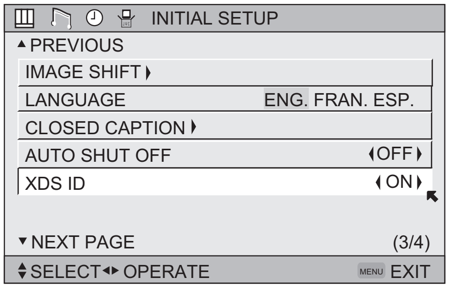
XDS ID

XDS ID Display provides a channel's call letters, the network's name, and even a program name. The XDS ID information is provided by the broadcaster.

Press the Menu button

▲▼ To XDS ID
◀▶ To turn ON or OFF

Press the Menu button when finished



INITIAL SETUP
▲PREVIOUS
IMAGE SHIFT ▸
LANGUAGE ENG. FRAN. ESP.
CLOSED CAPTION ▸
AUTO SHUT OFF ◂OFF▸
XDS ID ◂ON▸
▼NEXT PAGE (3/4)
⬍SELECT ◂▸ OPERATE MENU EXIT

Noise Muting

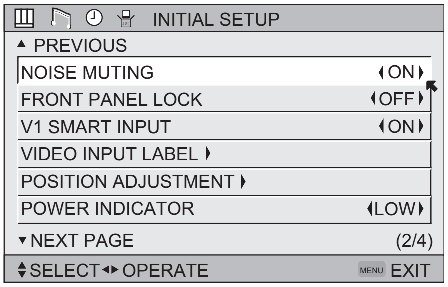
This feature inserts a blank grey screen over channels which are not broadcasting or are too weak to be received clearly.

Press the MENU button

▲▼ To NOISE MUTING

◀▶ To turn noise muting ON or OFF

Press the MENU button when finished



INITIAL SETUP

▲ PREVIOUS

NOISE MUTING ◀ON▶

FRONT PANEL LOCK ◀OFF▶

V1 SMART INPUT ◀ON▶

VIDEO INPUT LABEL ▶

POSITION ADJUSTMENT ▶

POWER INDICATOR ◀LOW▶

▼NEXT PAGE (2/4)

▲▼SELECT ◀▶ OPERATE MENU EXIT

Note:

- Noise muting will not work during auto tuner setup or when you operate channel summary.

Front Panel Lock

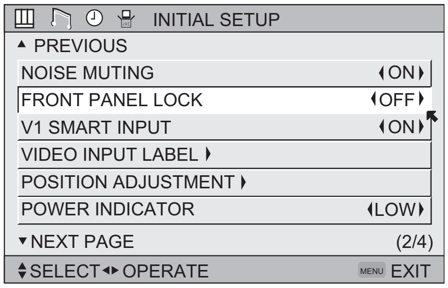
This allows you to lock the keys on the front of the TV, so that a child may not accidentally change your viewing preferences.

Press the MENU button

▲▼ To FRONT PANEL LOCK

◀▶ To turn ON or OFF

Press the MENU button when finished



INITIAL SETUP

▲ PREVIOUS

NOISE MUTING ◀ON▶

FRONT PANEL LOCK ◀OFF▶

V1 SMART INPUT ◀ON▶

VIDEO INPUT LABEL ▶

POSITION ADJUSTMENT ▶

POWER INDICATOR ◀LOW▶

▼NEXT PAGE (2/4)

▲▼SELECT ◀▶ OPERATE MENU EXIT

You can turn off this feature in the following ways:

- Unplug the power cord, and plug it back in. Do this if your batteries die, or you lose your remote control.
- Use the remote control.
- Press the MENU button on the front of the TV for more than 3 seconds. In this case, the OSD for FRONT PANEL LOCK will appear.

Note:

- To turn ON/OFF the TV, press the power button for more than 3 seconds. This feature will remain ON.

Initial Setup

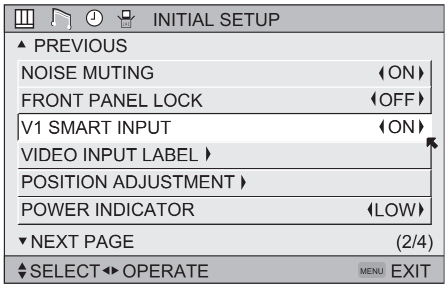
V1 Smart Input

This feature is used if you have connected an AV Receiver to your television. By turning this feature on, your television can automatically detect the signal source from your components that are connected to your AV Receiver.

Press the MENU button

▲▼ To V1 SMART INPUT
◀▶ To turn ON or OFF

Press the MENU button when finished



INITIAL SETUP
▲ PREVIOUS
NOISE MUTING ◀ON▶
FRONT PANEL LOCK ◀OFF▶
V1 SMART INPUT ◀ON▶
VIDEO INPUT LABEL ▶
POSITION ADJUSTMENT ▶
POWER INDICATOR ◀LOW▶
▼NEXT PAGE (2/4)
▲▼SELECT ◀▶ OPERATE MENU EXIT

Notes:

- If you do not have an AV Receiver connected to your television, turn this feature OFF. By doing so, you can take advantage of using AV CompuLink components with your television.
- Some AV Receivers may not work with this function.

Video Input Label

This function is used to label video input connections for the onscreen displays.

Press the MENU button

▲▼ To VIDEO INPUT LABEL

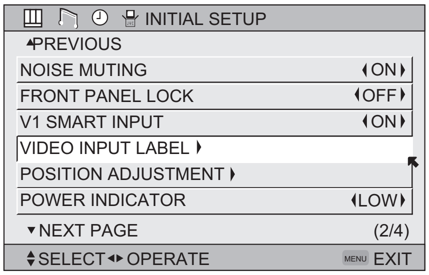
◀▶ To operate

▲▼ To select the desired video input

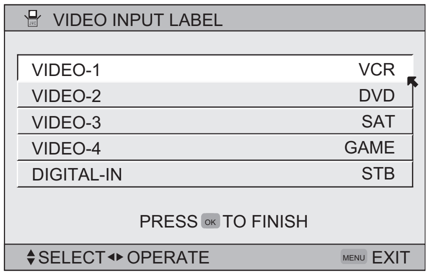
◀▶ To select the desired preset input label (see chart below)

Press the OK button to save

Press the MENU button when finished



INITIAL SETUP
▲PREVIOUS
NOISE MUTING ◀ON▶
FRONT PANEL LOCK ◀OFF▶
V1 SMART INPUT ◀ON▶
VIDEO INPUT LABEL ▶
POSITION ADJUSTMENT ▶
POWER INDICATOR ◀LOW▶
▼NEXT PAGE (2/4)
▲▼SELECT ◀▶ OPERATE MENU EXIT



VIDEO INPUT LABEL
VIDEO-1 VCR
VIDEO-2 DVD
VIDEO-3 SAT
VIDEO-4 GAME
DIGITAL-IN STB
PRESS OK TO FINISH
▲▼SELECT ◀▶ OPERATE MENU EXIT

Preset Labels	**Select when...**
VCR	You have a VCR connected to the video input
DVD	You have a DVD connected to the video input
D-VHS	You have a Digital VCR connected to the video input
STB	You have a Set-top Box connected to the video input
SAT	You have a Satellite Receiver connected to the video input
AMP	You have an Amplifier connected to the video input
GAME	You have a Video Game connected to the video input
CAM	You have a Video Camera connected to the video input
DISC	You have a Video Disc player connected to the video input

Position Adjustment

Position adjustment allows you to adjust the position of the picture on the screen vertically when the aspect is set to panorama, cinema, or full.

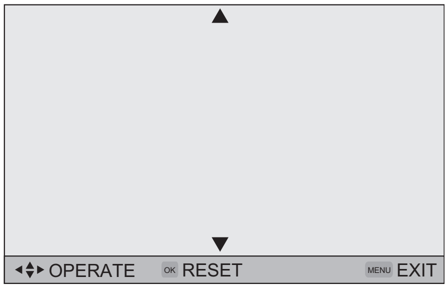
Press the MENU button

▲▼ To POSITION ADJUSTMENT

◀▶ To enter

▲▼ ◀▶ To adjust the position

Press the MENU button to finish



Notes:

- To reset the adjustment to the center, press the OK button.
- When the arrow disappears, while you are adjusting the position, the position is at it’s maximum limit.
- If you select regular size with aspect or Multi Screen, position adjustment option is not seen.
- When you change the screen size, perform the position adjustment again.
- Position adjustment allows you to adjust the screen position vertically and horizontally when the aspect is set HD panorama or cinema zoom for 1080i and 720p signals.

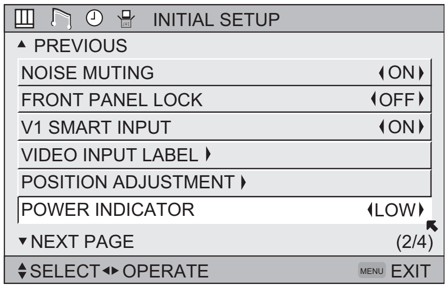
Power Indicator

Power indicator allows you to adjust the brightness of the power indicator

Press the MENU button

▲▼ To POWER INDICATOR

◀▶ To adjust POWER INDICATOR LOW, HIGH or OFF



INITIAL SETUP

▲ PREVIOUS

NOISE MUTING ◀ON▶

FRONT PANEL LOCK ◀OFF▶

V1 SMART INPUT ◀ON▶

VIDEO INPUT LABEL ▶

POSITION ADJUSTMENT ▶

POWER INDICATOR ◀LOW▶

▼NEXT PAGE (2/4)

▲▼SELECT ◀▶ OPERATE MENU EXIT

TV Speaker

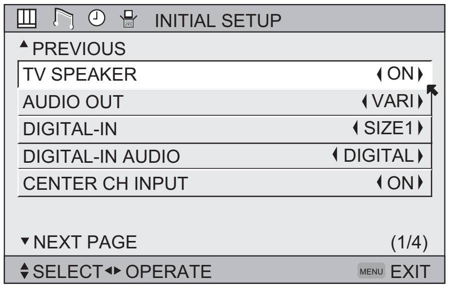
If your TV is connected to a stereo system, you can turn off the TV speakers and listen to the audio through your stereo.

Press the MENU button

▲▼ To TV SPEAKER

◀▶ To turn the TV’s speakers ON or OFF

Press the MENU button when finished



INITIAL SETUP

▲PREVIOUS

TV SPEAKER ◀ON▶

AUDIO OUT ◀VARI▶

DIGITAL-IN ◀SIZE1▶

DIGITAL-IN AUDIO ◀DIGITAL▶

CENTER CH INPUT ◀ON▶

▼NEXT PAGE (1/4)

▲▼SELECT ◀▶ OPERATE MENU EXIT

Notes:

- Before you turn the TV speaker setting from OFF to ON, **make sure that the TV volume level is low!** If the TV volume is set too high, the sound level will be extremely loud.
- After a power interruption, the TV speaker settings will return to “ON”.

Audio Out

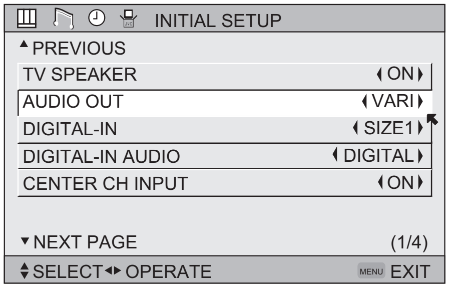
If your television is connected to an external speaker source, audio out gives you the option of controlling the volume level with your TV's remote control.

Press the MENU button

▲▼ To AUDIO OUT

◀▶ To VARI or FIX

Press the MENU button when finished



INITIAL SETUP
▲PREVIOUS
TV SPEAKER ◀ON▶
AUDIO OUT ◀VARI▶
DIGITAL-IN ◀SIZE1▶
DIGITAL-IN AUDIO ◀DIGITAL▶
CENTER CH INPUT ◀ON▶
▼NEXT PAGE (1/4)
▲▼SELECT ◀▶ OPERATE MENU EXIT

VARI: Lets you adjust the volume of the external speakers using the VOLUME+/– buttons on your TV's remote control.

FIX: The volume of the external speakers is adjusted using the audio device's remote control.

Digital-In

The DIGITAL-IN option can only be displayed in the INITIAL SETUP menu when a 480p picture signal is being input to the DIGITAL-IN terminal. This option adjusts the position when a 480p picture signal is being displayed on the screen. There are two types of 480p picture signals: 640x480 and 720x480. If the displayed picture is slightly shifted, the position can be adjusted by selecting either SIZE1 or SIZE2.

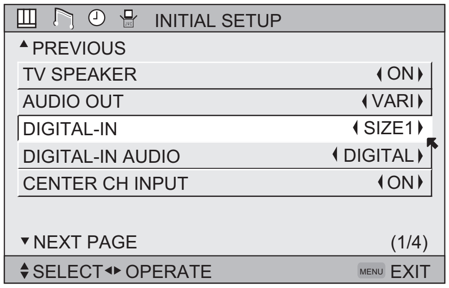
Press the MENU button

▲▼ To DIGITAL-IN

◀▶ To enter

◀▶ To select SIZE1 or SIZE2

Press the MENU button to finish



INITIAL SETUP
▲PREVIOUS
TV SPEAKER ◀ON▶
AUDIO OUT ◀VARI▶
DIGITAL-IN ◀SIZE1▶
DIGITAL-IN AUDIO ◀DIGITAL▶
CENTER CH INPUT ◀ON▶
▼NEXT PAGE (1/4)
▲▼SELECT ◀▶ OPERATE MENU EXIT

Note:
The DIGITAL-IN menu can only be displayed when a 480p picture signal is input to the Digital-In terminal and the picture is being displayed on the screen.

Digital-In Audio

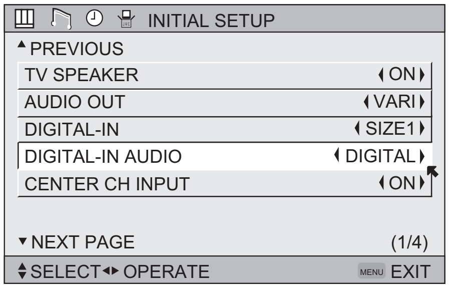
This feature is used if you have a DTV or HDMI compatible component connected to your TV.

Press the MENU button

▲▼ To DIGITAL-IN AUDIO

◀▶ To select “ANALOG” or “DIGITAL”

Press the Menu button when finished


INITIAL SETUP

▲PREVIOUS

TV SPEAKER	ON
AUDIO OUT	VARI
DIGITAL-IN	SIZE1
DIGITAL-IN AUDIO	DIGITAL
CENTER CH INPUT	ON

▼NEXT PAGE (1/4)

Notes:

- If your DTV or HDMI component is capable of digital audio and video, choose DIGITAL. If your DTV or HDMI component is capable of analog audio and digital video, choose ANALOG.
- Refer to your DTV or HDMI component’s instruction manual for more information.

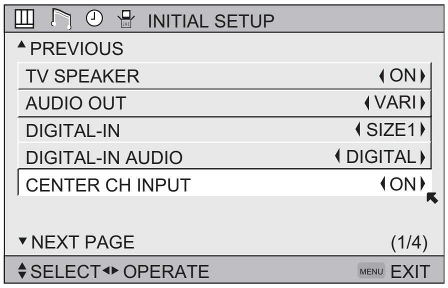
Center CH Input

When you are using a surround system, you can substitute the speaker of this television for the center speaker of your surround system. Set CENTER CH INPUT to ON when you use the speaker as the center speaker of your surround system. It is possible to lock the volume when it is ON separately from the volume when it is OFF.

Press the MENU button

▲▼ To CENTER CH INPUT
◀▶ To adjust CENTER CH INPUT to “ON” or “OFF”

Press the MENU button when finished


INITIAL SETUP

▲PREVIOUS

TV SPEAKER	ON
AUDIO OUT	VARI
DIGITAL-IN	SIZE1
DIGITAL-IN AUDIO	DIGITAL
CENTER CH INPUT	ON

▼NEXT PAGE (1/4)

Picture Adjust

Picture Settings

These settings allow you to change and adjust the way the picture appears on your television.

TINT
Tint allows you to adjust the levels of red and green in your TV picture.

COLOR
The color function lets you make all the colors in the TV picture appear either more vivid or subtle.

PICTURE
Picture allows you to adjust the levels of black and white on the TV screen, giving you a darker or brighter picture overall.

BRIGHT
You can adjust the overall brightness of the TV picture with the Bright control.

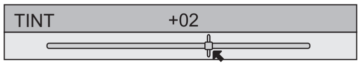
DETAIL
The Detail feature adjusts the level of fine detail displayed in the picture.

Adjust the Picture Settings

Press the MENU button

▲▼ To TINT, COLOR, PICTURE, BRIGHT or DETAIL

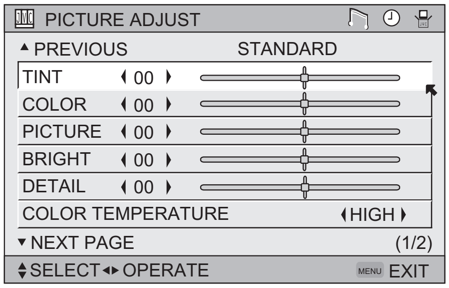
◀ ▶ To enter


TINT +02

◀ ▶ To adjust the setting

▲▼ To move to the next setting

Press the MENU button when finished


PICTURE ADJUST

▲ PREVIOUS STANDARD

TINT ◀ 00 ▶

COLOR ◀ 00 ▶

PICTURE ◀ 00 ▶

BRIGHT ◀ 00 ▶

DETAIL ◀ 00 ▶

COLOR TEMPERATURE ◀ HIGH ▶

▼ NEXT PAGE (1/2)

▲▼ SELECT ◀▶ OPERATE MENU EXIT

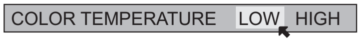
Color Temperature

You can decide how strong or dull the colors appear on the TV screen.

Press the MENU button

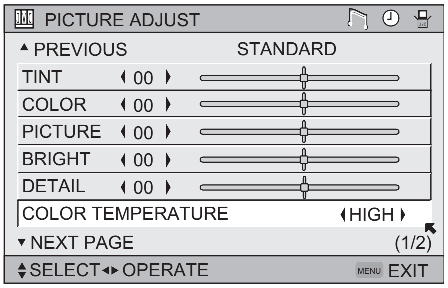
▲▼ To COLOR TEMPERATURE

◀ ▶ To enter


COLOR TEMPERATURE LOW HIGH

◀ ▶ To set LOW or HIGH

Press the MENU button when finished


PICTURE ADJUST

▲ PREVIOUS STANDARD

TINT ◀ 00 ▶

COLOR ◀ 00 ▶

PICTURE ◀ 00 ▶

BRIGHT ◀ 00 ▶

DETAIL ◀ 00 ▶

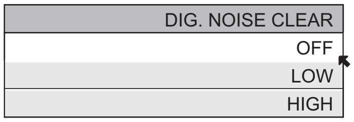
COLOR TEMPERATURE ◀ HIGH ▶

▼ NEXT PAGE (1/2)

▲▼ SELECT ◀▶ OPERATE MENU EXIT

Digital Noise Clear

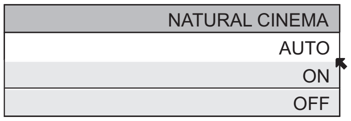
With digital noise clear, this helps take our static or noise from a channel that may not be coming in clearly.


DIG. NOISE CLEAR
OFF
LOW
HIGH

Press the Menu button
▲▼ To DIG. NOISE CLEAR
◀▶ To enter
▲▼ To select the mode “LOW”, “HIGH” or “OFF”
Press the Menu button when finished

Natural Cinema

Natural cinema corrects the problem of blurred edges which may occur when viewing a program originally shot on film (such as motion pictures) or animation. If you notice blurring at the edges of these programs, choose Natural Cinema and set it to AUTO. Natural Cinema helps correct conversion errors that occur when film, which is shot at 24 frames-per-second, is broadcast at the television rate of 30 frames-per-second.


NATURAL CINEMA
AUTO
ON
OFF

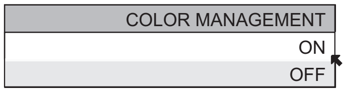
Press the Menu button
▲▼ To NATURAL CINEMA
◀▶ To enter
▲▼ To select the mode “AUTO", "ON" or "OFF”
Press the Menu button when finished

Notes: The natural cinema mode is automatically set to “AUTO” in the following cases:

- Turning on or off
- Changing the channel or input mode
- Using multi-screen functions

Color Management

This TV supports the COLOR MANAGEMENT function to ensure dull colors are compensated to produce natural hues.


COLOR MANAGEMENT
ON
OFF

Press the Menu button
▲▼ To COLOR MANAGEMENT
◀▶ To enter
▲▼ To select the mode “ON" or "OFF"
Press the Menu button when finished

Picture Adjust

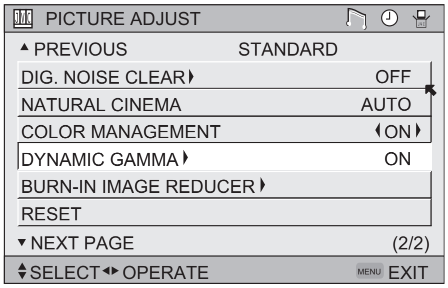
Dynamic Gamma

JVC's Dynamic Gamma Circuitry (DGC) makes it easier to see dark areas when a picture has many dark areas, and makes it easier to see the bright areas when a picture has many bright areas. DGC is turned on, DGC analyzes and adjusts the total level of picture brightness balance, especially in dark areas where the level of greyscale is often lost, turning completely to black. DGC automatically enhances the detail in these dark areas providing a more dynamic image with finer detail, so the optimum picture settings are automatically set for each picture. Normally use with DGC on.

Press the MENU button

▲▼ To DYNAMIC GAMMA
◀▶ To turn ON or OFF

Press the MENU button when finished



PICTURE ADJUST
▲ PREVIOUS STANDARD
DIG. NOISE CLEAR ▶ OFF
NATURAL CINEMA AUTO
COLOR MANAGEMENT ◀ ON ▶
DYNAMIC GAMMA ▶ ON
BURN-IN IMAGE REDUCER ▶
RESET
▼ NEXT PAGE (2/2)
▲▼ SELECT ◀▶ OPERATE MENU EXIT

Burn-in Image Reducer

When burn-in is minimal, burn-in and residual images may be softened with the BURN-IN IMAGE REDUCER function.

Press the MENU button

▲▼ To BURN-IN IMAGE REDUCER
◀▶ To enter

REDUCING BURN-IN. PLEASE WAIT

Burn-in will be reduced by displaying snow on the screen for approximately 55 seconds, and white for approximately 5 seconds in sequence. Leave the television in this state for some time (more than a few hours).

Press the MENU button to bring back to the normal screen.

Reset

Reset resets all picture adjustments (tint, color, picture, bright, detail, color temperature, dig. noise clear, color management and dynamic gamma) at once to the default settings.

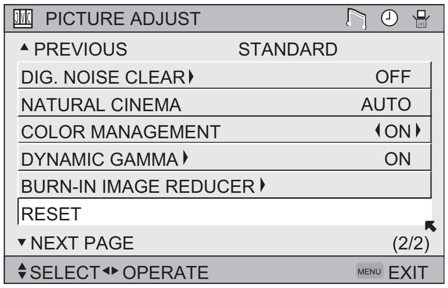
Press the Menu button

▲▼ To RESET

◀▶ To enter

The onscreen menu disappears for a moment, and then the settings are reset to the default setting for all the picture adjustments.

Press the Menu button when finished



PICTURE ADJUST

▲ PREVIOUS STANDARD

DIG. NOISE CLEAR ▸ OFF

NATURAL CINEMA AUTO

COLOR MANAGEMENT ◂ ON ▸

DYNAMIC GAMMA ▸ ON

BURN-IN IMAGE REDUCER ▸

RESET

▼ NEXT PAGE (2/2)

▲▼ SELECT ◀▶ OPERATE MENU EXIT

Sound Adjust

Sound Settings

These settings allow you to change and adjust the sound on your television.

BASS – You can increase or decrease the level of low-frequency sound in the TV's audio with the bass adjustment.

TREBLE – Use treble to adjust the level of high-frequency sound in your TV's audio.

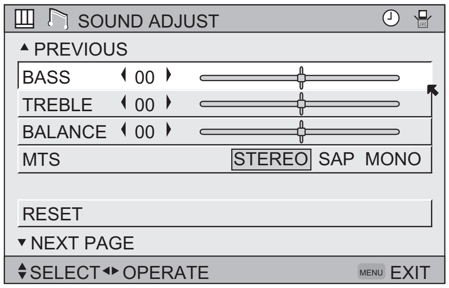
BALANCE – Adjust the level of sound between the TV's left and right speakers with the balance setting.

Adjust the Sound Settings

Press the Menu button

▲▼ To BASS, TREBLE or BALANCE
◀ ▶ To adjust the setting
▲▼ To move to the next setting

Press the Menu button when finished



SOUND ADJUST
▲ PREVIOUS
BASS ◀ 00 ▶
TREBLE ◀ 00 ▶
BALANCE ◀ 00 ▶
MTS STEREO SAP MONO
RESET
▼ NEXT PAGE
▲▼SELECT ◀▶ OPERATE MENU EXIT

Note:

- You can reset the sound adjustments (BASS, TREBLE and BALANCE) you set at once as the default setting when you select reset. See page 51.
- You can adjust BALANCE only when A.H.S. is off. See page 60.

MTS (Multi-Channel Television Sound)

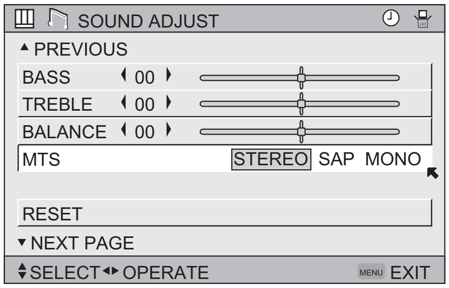
MTS technology allows several audio signals to be broadcast at once, giving you a choice in what you wish to hear with a TV program. In addition to mono or stereo sound, an MTS broadcast may also include a second audio program (SAP).

Press the Menu button

▲▼ To MTS
◀▶ Select the mode

(The ON AIR arrow tells you if a broadcast is in stereo and/or contains an SAP).

Press the Menu button when finished



SOUND ADJUST
▲ PREVIOUS
BASS ◀ 00 ▶
TREBLE ◀ 00 ▶
BALANCE ◀ 00 ▶
MTS STEREO SAP MONO
RESET
▼ NEXT PAGE
▲▼SELECT ◀▶ OPERATE MENU EXIT

Notes:

- Keep the TV in stereo mode to get the best sound quality. The sound will work in stereo mode even if a certain broadcast is in mono sound only.
- Choose the mono setting to reduce excessive noise on a certain channel or broadcast.
- Selecting SAP will allow you to hear an alternative soundtrack, if one is available.
- MTS unavailable if your television's input source is in input 1, 2, 3 or 4 mode, as described on page 59.

Reset

Reset resets all Sound Adjustments (Bass, Treble and Balance) at once to the default settings. See page 53 on how to use reset.

Set Clock

The set clock function is described on page 24 as the interactive plug-in menu. You can choose to set the clock automatically, or manually. If you need to set the clock again, follow the steps below.

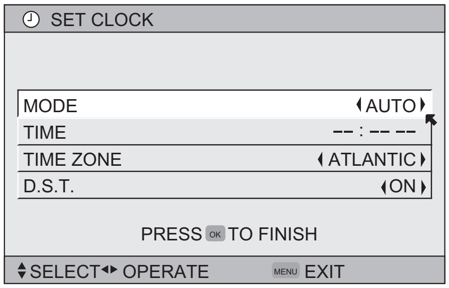
Press the MENU button
▲▼ To SET CLOCK
◀▶ To operate

When you set the clock automatically, choose AUTO by pressing the ◀ or ▶ arrows.

▲▼ To TIME ZONE
◀▶ To select your time zone

→ATLANTIC ←→EASTERN ←→CENTRAL ←→MOUNTAIN ←
→HAWAII ←→ ALASKA ←→ PACIFIC ←

▲▼ To D.S.T. (daylight savings time)
◀▶ To turn D.S.T. ON or OFF
Press OK to finish
Press the MENU button when finished



SET CLOCK

MODE	◀ AUTO ▶
TIME	-- : -- --
TIME ZONE	◀ ATLANTIC ▶
D.S.T.	◀ ON ▶

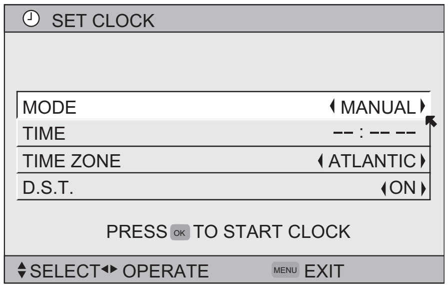
PRESS OK TO FINISH

When you set the clock manually, choose MANUAL by pressing the ◀ or ▶ arrows.

▲▼ To move to the hour
◀▶ To set the hour
▲▼ To move to minutes
◀▶ To set the minutes
Press OK to start clock

THANK YOU !!

Press the MENU button when finished



SET CLOCK

MODE	◀ MANUAL ▶
TIME	-- : -- --
TIME ZONE	◀ ATLANTIC ▶
D.S.T.	◀ ON ▶

PRESS OK TO START CLOCK

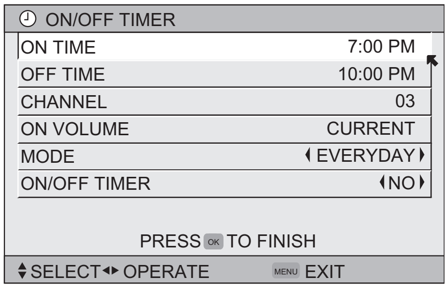
Notes:

- D.S.T. can be used only for US and Canada when it is set to ON in the SET CLOCK menu.
- Only when the MODE set to AUTO, the Daylight Savings Time feature automatically adjusts your TV's clock for Daylight Savings. The clock will move forward one hour at 2:00 am on the first Sunday in April. The clock will move back one hour at 2:00 am on the last Sunday in October.
- You will have to reset the clock after a power interruption. You must set the clock before operating any timer functions.

Clock/Timers

On/Off Timer

The on/off timer lets you program your television to turn itself on or off. You can use it as an alarm to wake up, to help you remember important programs, or as a decoy when you're not home.



ON/OFF TIMER	
ON TIME	7:00 PM
OFF TIME	10:00 PM
CHANNEL	03
ON VOLUME	CURRENT
MODE	◀ EVERYDAY ▶
ON/OFF TIMER	◀ NO ▶

PRESS OK TO FINISH

☝	Press the MENU button
▲▼	To ON/OFF TIMER
◀▶	To operate (begins with ON TIME)
◀▶	To set the hour (AM/PM) you want the TV to turn on
▼	To move to minutes
◀▶	To set the minutes
▼	To accept ON TIME and move to OFF TIME (the time the TV will turn off). Set the OFF TIME the same way as ON TIME
▼	To accept OFF TIME and move to CHANNEL
◀▶	To select channel
▼	To ON VOLUME
◀▶	To set the volume level
▼	To move to MODE
◀▶	Choose ONCE or EVERYDAY
▼	To ON/OFF TIMER
◀▶	Choose YES to accept the timer setting, choose NO if you don't wish to accept
☝	Press the OK button to finish
☝	Press the MENU button to exit the menu

Notes:

- The on/off time cannot be set to locked or guarded channels.
- In order for the on/off timer to work, the clock must be set.
- After a power interruption, the timer settings must be reset.

Multi Screen Function

Your television has two kinds of screen: TWIN (2 channels) and INDEX (12 channels).

Note: After you press any multiscreen button, if you press the menu button, only the picture adjust screen will appear.

Index

This allows you to quickly look at up to 12 channels at a time so that you can decide which one to watch.

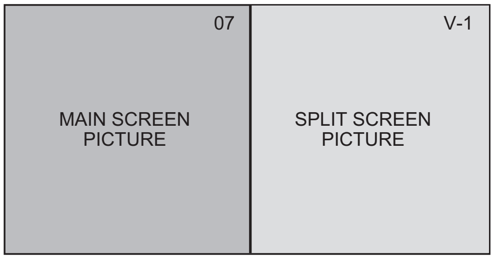
1	2	3	4
5	6	7	8
9	10	11	12

Notes:

- Only RF input signal will be displayed.
- You can watch the channel added in channel summary. See page 33.

Twin

Activate the split-screen option by pressing Twin on the remote control. The channel (or input) you were watching before pressing Twin will appear on the left, the new channel will appear on the right. The sound will continue to come from the main screen channel (or input). To turn split-screen off and return to normal television viewing, press Twin again or press the Back button.



Notes:

- If the signal that you are watching is coming from the HDMI input, you cannot enter the TWIN mode
- Main Screen and Split Screen will not display the same channel or input at the same time.
- You can enter the TWIN mode when the screen is in NORMAL or INDEX mode.
- Split-screen functions will not work with locked channels or channels blocked by V-Chip ratings limits. A grey screen will display instead.
- With split screen, the picture from the component terminal and DIGITAL-IN terminal will not be displayed.
- The aspect of MAIN CHANNEL PICTURE becomes 16:9 when you input the picture of 480p from the component terminal and DIGITAL-IN terminal.
- After you press the Select button, and select SPLIT SCREEN when you press the OK button, select normal screen. If you don’t operate, the MAIN CHANNEL SCREEN will be automatically selected about 8 seconds later.
- Aspect does not work in Twin mode.
- When you press the Menu button in Twin mode, it appears only as Picture Adjust menu.
- When it is PC output, Main and Split screen will not be displayed.

Button Functions

Freeze

Pressing the FREEZE button causes the screen to change to the split-screen display with the still picture displayed on the right. In order to return to the normal display, press the FREEZE button once again.

Note: When the screen is in freeze mode, if you do not operate it within 15 minutes, this function will cancel out.

Swap

You can exchange the channel (or input) displayed in the split screen window for the main screen image by pressing the SWAP button.

Select

With SELECT, you can select the picture (channel) while viewing SPLIT screen. When you press SELECT button, the channel number on the top will be highlighted. Each press of SELECT will shift the channel.

Button Functions

Power

Turns the TV on or off.

Press the POWER button

Number Buttons - 10Key Pad

Use the number buttons on the remote control to move directly to a specific channel. For example, to move to channel 12:

0 (ZERO)

1 (ONE)

2 (TWO)

Tune

Lets you decide the input channel and select it. After you press the number buttons on the remote, press the TUNE button. For example, to move to channel 12:

1 (ONE)

2 (TWO)

Press the TUNE button

Input

Selects the signal input source for the television: Input-1, 2, 3, 4 or DIGITAL-IN for video devices like VCR’s DVD players, or camcorders.

Press the INPUT button

By every press of the INPUT button, you can change the input mode.

Notes:

- When you return to TV mode, press the RETURN+ button or direct 10 key pad.
- You can also access the FRONT CONTROL PANEL screen by using the MENU button on the front of the TV instead of the remote control. It appears between INITIAL SETUP and PICTURE ADJUST screen, and it has INPUT, VIDEO STATUS and ASPECT menus. Choose INPUT by pressing Menu ▼ on the front panel and choose a mode by using the CHANNEL+/- buttons (◀ OPERATE ▶).
- If you have a PC connected to the TV, select INPUT 4.

Channel +/–

Use these buttons to move up or down all the available channels your TV is able to receive.

Volume +/–

Use these buttons to raise or lower the TV’s volume level.

Button Functions

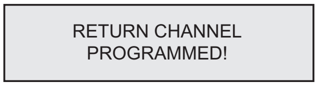
Return +

The Return+ button has two functions:

Return - Returns to the channel viewed just before the channel currently onscreen.

Return+ - Lets you program a specific channel to return to while scanning through the channels using the CH+ and CH– buttons.

RETURN+ and hold for three seconds



RETURN CHANNEL
PROGRAMMED!

The channel currently active has been programmed as your return+ channel. Now scan through the channels using the CHANNEL+/- buttons.

RETURN+

You will return to your programmed channel.

- To cancel your return+ channel, press and hold the RETURN+ button for three seconds. The message "RETURN CHANNEL CANCELLED!" will appear.
- Return+ works only with the CHANNEL+/- buttons. Pressing any number key will cancel return+.

Sound

Note: Smart Sound: PD-42V485 Only.

By pressing the SOUND button, you can change the A.H.S. (Advanced Hyper Surround) mode, BBE, and SMART SOUND on or off.

A.H.S. - Adds a more spacious surround sound. Music gives basic effect and movie for more effect.

BBE - BBE High Definition Sound restores clarity and presence for better speech intelligibility and musical realism.

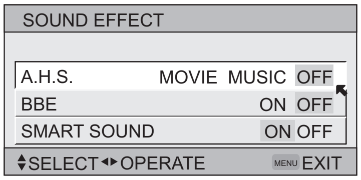
SMART SOUND - Decreases high sound levels, giving a regulated sound level.

Press the SOUND button

▲▼ To select A.H.S., BBE or SMART SOUND

◀▶ To choose the setting

Press the MENU when finished



SOUND EFFECT

A.H.S. MOVIE MUSIC [✓ OFF]
BBE ON [✓ OFF]
SMART SOUND [✓ ON] OFF

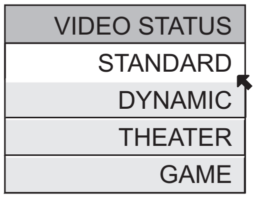
Note: Manufactured under license from BBE Sound, Inc. Licensed by BBE Sound, Inc. under USP4638258, 5510752 and 5736897. BBE and BBE symbol are registered trademarks of BBE Sound, Inc.

Muting

The MUTING button instantly turns the volume down completely when you press it. Press MUTING and the volume level will instantly go to zero. To restore the volume to its previous level, press MUTING again.

Video Status

The Video Status button gives you a choice of four TV picture display settings, including a display of your own preferences.



VIDEO STATUS
STANDARD
DYNAMIC
THEATER
GAME

Standard - Resets the picture display to the factory settings.

Dynamic - Gives a vivid picture with better contrast when viewing in a brightly lit room.

Theater - Gives a rich, film-like look to video when viewing in a dimly lit room.

Game - Used for when you are playing video games connected to your TV.

Press the Video Status button
By every press of the Video Status button, you change the mode.

Note:

- You can also change the mode by pressing the ▲▼ buttons.
- You can also access the FRONT CONTROL PANEL screen by using the Menu button on the front of the TV instead of the remote control. It appears between INITIAL SETUP and PICTURE ADJUST screen, and it has INPUT, VIDEO STATUS and ASPECT menus. Choose VIDEO STATUS by pressing Menu ▼ on the front panel and choose a mode by using the Channel+/- buttons (◀ OPERATE ▶).

TheaterPro D6500K

The TheaterPro D6500K color temperature technology function makes sure that the video you watch is set to the standard color temperature, so that what you see is as true to what the film to video editors intended it to be.

Press the TheaterPro button

Sleep Timer

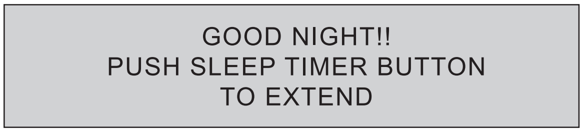
The Sleep Timer can turn the TV off for you after you fall asleep. Program it to work in intervals of 15 minutes, for a total time of up to 180 minutes.

Press the Sleep Timer button

→ 0 15 30 45 60 75 90 105 120 135 150 165 180 →

Sleep Timer Message

20 seconds before the automatic shutoff, this message will appear:



GOOD NIGHT!!
PUSH SLEEP TIMER BUTTON
TO EXTEND

You then have 20 seconds to press the Sleep Timer button to delay the shut off for another 15 minutes.

Button Functions

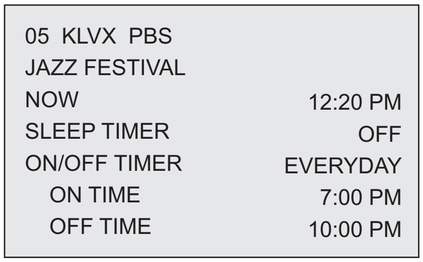
Display

The display screen shows the current status of timers, inputs, and XDS ID.

Press the DISPLAY button

The screen to the right shows the following information:

- The current channel or AV input (Channel 05)
- The current time (12:20 pm)
- Sleep timer status/minutes remaining (The Sleep Timer is off)
- On/off timer status (Set to turn on everyday at 7:00 PM, off at 10:00 PM)
- Each Press of the DISPLAY button changes the display mode:



05 KLVX PBS	
JAZZ FESTIVAL	
NOW	12:20 PM
SLEEP TIMER	OFF
ON/OFF TIMER	EVERYDAY
ON TIME	7:00 PM
OFF TIME	10:00 PM

→ Display → Time → Channel → Off →

Display - Full screen shown above

Time - Shows the current time only

Channel - Shows the current channel

Off - Turns display off

Notes:

- You may also turn off the display at any step by pressing MENU.
- If the clock, sleep timer or on/off timer are not set, the display screen will show: "CLOCK NOT SET", "SLEEP TIMER OFF", and "ON/OFF TIMER OFF" respectively.

C.C. (Closed Caption)

Use the C.C. (Closed Caption) button to select the mode of closed caption.

Press the C.C. button

PD-42V485 **ONLY**

→ OFF → SMART CAPTION → ON →

PD-42V475 **ONLY**

→ OFF → ON →

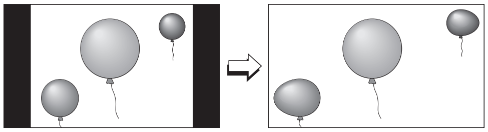
- Smart Caption will appear when you press the Muting button, only on channels where the broadcast contains closed captioning. (PD-42V485 ONLY)
- When you select ON, it will be the mode selected in the Closed Caption Menu.
- See page 43 when you set the caption/text mode.

Aspect

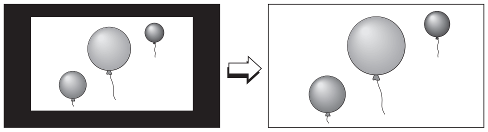
This feature will help you adjust the picture you are watching to give you the best possible picture quality.

Aspect Ratios

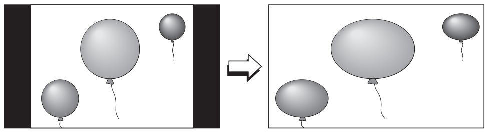
PANORAMA - With this ratio a normal 4:3 aspect picture is stretched to fit the dimensions of the 16:9 aspect screen.



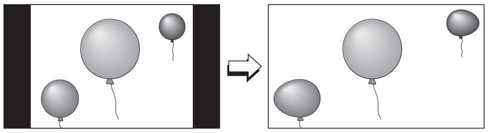
CINEMA - This ratio “zooms in” on the center part of a 4:3 aspect picture, blowing it up to fill the 16:9 screen.



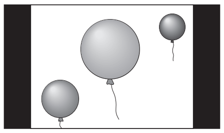
FULL - This is the ratio to use when watching 16:9 High-Definition broadcasts.



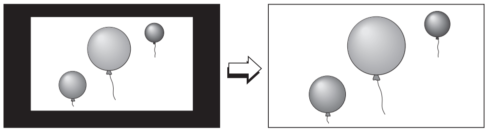
HD PANORAMA - This ratio stretches the High-Definition 16:9 aspect image to eliminate the black side bars.



REGULAR - The regular ratio is used when you want to watch a 4:3 broadcast or recorded program without modifying the original picture to fit the dimensions of your 16:9 screen. The 4:3 picture will fill the screen from top to bottom, while black bars will appear to fill up the remaining space along the picture’s sides. The 4:3 picture will be centered within the boundaries of the 16:9 screen.



CINEMA ZOOM - This ratio stretches the High-Definition 16:9 aspect image to eliminate the black surrounding bars.



Button Functions

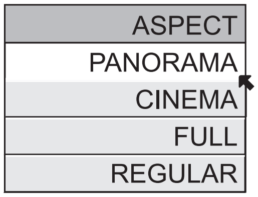
Aspect Ratios (Continued)

Press the ASPECT button

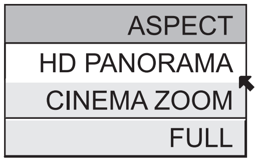
- *By pressing the ASPECT button, you can change the size.*

When you change the aspect ratios, it is different from their broadcast or recorded program.

NTSC, 480i, 480p



HD, 720p



Notes:

- You can also choose the size by pressing the ▲▼ buttons.
- When you change the aspect ratio or signal, reset the picture position to center.
- You can also access the FRONT CONTROL PANEL screen by using the MENU button on the front of the TV instead of the remote control. It appears between INITIAL SETUP and PICTURE ADJUST screen, and it has INPUT, VIDEO STATUS and ASPECT menus. Choose ASPECT by pressing Menu ▼ on the front panel and choose a mode by using the CHANNEL +/- buttons (◀ OPERATE ▶).

Menu

The Menu button allows you to access JVC's onscreen menu system. Press MENU to activate the onscreen menu system.

- See individual topics like "Sound Adjust" for specific information on using menus.

OK

This button confirms your selection when you are in one of the onscreen menus.

Back

This button allows you to go back in the menu to change a selection or correct a mistake.

Button Functions

TV/CATV Slide Switch

Use either the television's own tuner or a cable box to select channels. Set this switch to **TV** to operate the television's built-in tuner. Move the switch to **CATV** to operate a cable box.

Note:

- See page 26 for information on programming your remote for cable box operation.

VCR/DVD Slide Switch

You can control a VCR or DVD player with the buttons on the lower part of the remote control. Move the slide switch to **VCR** or **DVD** to operate.

Notes:

- The remote is preset with the code 000 to control JVC-brand VCR's. For any other manufacturer's brand VCR, please see the code chart and instructions on page 27.
- The remote is preset with the code 000 to control JVC-brand DVD players. For any other manufacturer's brand DVD player, please see the code chart and instructions on page 28.

VCR Buttons

You can use this remote control to operate the basic functions of your VCR. These functions include: play, record, rewind, fast-forward, stop, pause, channel scan, TV/VCR, power on, and power off.

Move the selector switch to **VCR** to operate.

- The remote is preset with the code 000 to control JVC-brand VCR's. For any other manufacturer's brand VCR, please see the code chart and instructions on page 27.

DVD Buttons

You can also use this remote control to operate the basic functions of your DVD player. These functions include: play, rewind, fast-forward, stop, still/pause, previous/next, tray open/close, power on, and power off.

Move the selector switch to **DVD** to operate.

- The remote is preset with the code 000 to control JVC-brand DVD players. For any other manufacturer's brand DVD player, please see the code chart and instructions on page 28.

Light

All remote control buttons are illuminated, except for the TV/CATV slide switch, VCR/DVD slide switch and LIGHT button. Press the LIGHT button to turn the illumination on for 4 seconds.

OSD Warnings

No Program

This OSD warning appears on the television when the television is receiving a carrier signal, but the carrier signal does not contain any broadcast programming.

Troubleshooting

Refer to the table below to check the condition. If you think that there is a problem, contact the JVC Service Center where you purchased the television.

PROBLEMS	CHECK
There is no power	• See if the power cord became unplugged. • Check for a blown fuse or circuit breaker or a power outage.
There is no picture or sound	• The antenna could be disconnected. • The input mode could be set improperly. See page 59. • The tuner (Auto Tuner Setup) could be set improperly. See page 33. • The TV station may be having difficulties. Check to see if other stations are working.
Remote control is not operating properly or at all	• Check to see that the batteries are still working and properly installed. • Make sure the remote has a clear sight path to the TV. • Check that the TV/CATV switch is in the proper position. • You may be too far from the TV. You must be within 23 feet (7 meters).
You cannot select a certain channel	• Make sure the channels have been programmed. See "Channel Summary", page 33. • Check to see if the channel is locked. See "Channel Summary - Lock" page 34.
The power turns off by itself	• Make sure the set did not become unplugged. • Perhaps the On/Off Timer is set. See page 56. • Check to see if the Sleep Timer was set. See page 61.
It does not operate correctly	• This television is operated by a microprocessor. It is possible that external noise or interference is causing the problem. If the television does not function correctly, remove the electrical plug from the wall outlet and wait a while before inserting it into the wall outlet again and operating the television.
The clock is wrong	• The power was interrupted and the clock was not reset. See page 55.
The color quality is poor	• Tint and Color may be improperly adjusted. See page 50. • The Video Status mode may be turned to the wrong setting. See page 61.
There are lines across the picture	• There could be interference from another electrical appliance, such as a computer, another TV or VCR. Move any such appliances further away from the TV.
The picture is spotted	• There could be interference from a high-wattage appliance, like a hairdryer or vacuum, operating nearby. Move the antenna away from the appliance or change to a coaxial cable connection which is less prone to interference.
There are double pictures (ghosts)	• A building or passing airplane can reflect the original signal and produce a second, slightly delayed one. Adjust your antenna position.
Picture is snowy (image noise)	• Your antenna may be damaged, disconnected or turned. Check the antenna connection. If the antenna is damaged, replace it.
Screen is 80% black	• The Closed Caption Text mode is on. Turn it off in the Closed Caption Menu, page 43.
Stereo or bilingual programs can't be heard	• Make sure the MTS settings are correct. See page 54.

PROBLEMS	CHECK
There is no sound from the TV's speaker	• The Center CH Input may be turned on. See page 49. • The TV Speaker option may be turned off. See page 47.
Static electricity	• It is normal to feel static electricity if you brush or touch the screen.
You hear occasional crackling sounds	• It is normal for the TV to make crackling sounds when first turned on or off. Unless the sound or picture become abnormal, this is fine.
The AUTO DEMO finished automatically	• The TV recieved a signal from the AV CompuLink • The On Timer that you programmed has started. • The channel that the AUTO DEMO is using is a channel that is blocked by V-Chip. • The Auto Shut Off that you programed has occured.

The following are not malfunctions.

- The television may make a creaking sound if the temperature of the room or the temperature of the inside of the television changes. If there is no problem with the screen or sound, then there is no need to worry.
- Although the picture may be temporarily disturbed and noise may be seen on the screen if the power is turned on immediately after it has been turned off, this is not a malfunction.
- If the television is used at a location above 2,000 m, a buzzing noise and image distortion may occur. This phenomenon is peculiar to PDP (Plasma Display Panel), and could occur with any television using PDP. It is not a malfunction.

LIMITED WARRANTY

COLOR TV 1-1

For Canadian model televisions, see separate sheets for Canadian Warranty information.

JVC COMPANY OF AMERICA (JVC) warrants this product and all parts thereof, except as set forth below ONLY TO THE ORIGINAL RETAIL PURCHASER to be FREE FROM DEFECTIVE MATERIALS AND WORKMANSHIP from the date of original purchase for the period shown below. ("The Warranty Period")

Parts	Labor
1 YEAR	1 YEAR

THIS LIMITED WARRANTY IS VALID ONLY IN THE FIFTY (50) UNITED STATES, THE DISTRICT OF COLUMBIA AND IN THE COMMONWEALTH OF PUERTO RICO.

WHAT WE WILL DO:

If this product is found to be defective within the warranty period, JVC will repair or replace defective parts with new or rebuilt equivalents at no charge to the original owner. Such repair and replacement services shall be rendered by JVC during normal business hours at JVC authorized service centers. Parts used for replacement are warranted only for the remainder of the Warranty Period. All products may be brought to a JVC authorized service center on a carry-in basis. Color televisions with a screen size of 27" or greater qualify for in-home service. In such cases, a technician will come to your home and either repair the TV there or remove and return it if it cannot be repaired in your home.

WHAT YOU MUST DO FOR WARRANTY SERVICE:

Please do not return your product to the retailer

Instead, return your product to the JVC authorized service center nearest you. If shipping the product to the service center, please be sure to package it carefully, preferably in the original packaging, and include a brief description of the problem(s). Please call 1-800-252-5722 to locate the nearest JVC authorized service center. Service locations can also be obtained from our website http://www.jvc.com. If your product qualifies for in-home service, the service representative will require clear access to the product.

If you have any questions concerning your JVC Product, please contact our Customer Relations Department at 800-252-5722

WHAT IS NOT COVERED:

This limited warranty provided by JVC does not cover:

1. Products which have been subject to abuse, accident, alteration, modification, tampering, negligence, misuse, faulty installation, lack of reasonable care, or if repaired or serviced by anyone other than a service facility authorized by JVC to render such service, or if affixed to any attachment not provided with the products, or if the model or serial number has been altered, tampered with, defaced or removed;
2. Initial installation, installation and removal from cabinets or mounting systems.
3. Operational adjustments covered in the Owner's Manual, normal maintenance, video and audio head cleaning;
4. Damage that occurs in shipment, due to act of God, and cosmetic damage;
5. Signal reception problems and failures due to line power surge;
6. Video Pick-up Tubes/CCD Image Sensors are covered for 90 days from the date of purchase;
7. Accessories;
8. Batteries (except that Rechargeable Batteries are covered for 90 days from the date of purchase);
9. Products used for commercial purposes, including, but not limited to rental.

There are no express warranties except as listed above.

THE DURATION OF ANY IMPLIED WARRANTIES, INCLUDING THE IMPLIED WARRANTY OF MERCHANTABILITY, IS LIMITED TO THE DURATION OF THE EXPRESS WARRANTY HEREIN.

JVC SHALL NOT BE LIABLE FOR ANY LOSS OF USE OF THE PRODUCT, INCONVIENCE, OR ANY OTHER DAMAGES, WHETHER DIRECT, INCIDENTAL OR CONSEQUENTAL (INCLUDING, WITHOUT LIMITATION, DAMAGE TO TAPES, RECORDS OR DISCS) RESULTING FROM THE USE OF THIS PRODUCT, OR ARISING OUT OF ANY BREACH OF THIS WARRANTY. ALL EXPRESS AND IMPLIED WARRANTIES, INCLUDING THE WARRANTIES OF MERCHANTABILITY AND FITNESS FOR PARTICULAR PURPOSE, ARE LIMITED TO THE WARRANTY PERIOD SET FORTH ABOVE.

Some states do not allow the exclusion of incidental or consequential damages or limitations on how long an implied warranty lasts, so these limitations or exclusions may not apply to you. This warranty gives you specific legal rights and you may also have other rights which vary from state to state.

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For customer use:

Enter below the Model No. and Serial No. which is located either on the rear, bottom or side of the cabinet. Retain this information for future reference.

Model No. : ____________________ Serial No. : ____________________

Purchase date : ____________________ Name of dealer : ____________________

TO OUR VALUED CUSTOMER

THANK YOU FOR PURCHASING THIS JVC PRODUCT.

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Remember to retain your Bill of Sale for Warranty Service.

Do not attempt to service the product yourself

Caution

To prevent electrical shock, do not open the cabinet.
There are no user serviceable parts inside.
Please refer to qualified service personnel for repairs.

Specifications

Model	PD-42V485 PD-42V475
Type	Plasma Screen
Reception Format	NTSC, BTSC System (Multi-Channel Sound)
Reception Range	VHF 2 to 13, UHF 14 to 69 Sub, Mid, Super, Hyper and Ultra bands (180 channel frequency synthesizer system)
Power Source	AC 120V, 60 Hz
Power Consumption	364W
Screen Size	42 inch / 107.5 cm measured diagonally, 16:9 ratio
Audio Output	10W + 10W
Speakers	6.6 cm round x 4
Antenna Terminal (VHF/UHF)	75 ohms (VHF/UHF)(F-type connector)
External Input Jacks	Video: 1 Vp-p, 75 ohms Audio: 500 mVrms (-4dBs) high impedance
Component Input Jack	Y: 1Vp-p positive, 75 ohms (negative sync provided) Pb/Pr: 0.7 Vp-p 75 ohms
S-Video Input Jacks	Y: 1Vp-p positive, 75 ohms (negative sync provided) C: 0.286 Vp-p (burst signal), 75 ohms
Audio Output Jacks (VARI/FIX)	VARI: More than 0 1000mVrms (+2.2dBs) FIX: 500mVrms (-4dBs) Low impedance (400 Hz when modulated 100%)
AV CompuLink III Jack	3.5 mm mini jack X 1
PC Input Jack	Analog RGB D-SUB (15 pin) x 1 • PC signal is available. Refer to page 22 for details on the signals which can be input.
Digital–In	HDMI jack x 1 Note: The Digital–In terminal is not compatible with picture signals of a personal computer
Dimensions (inch/cm) W X H X D	41 1/4 x 31 1/4 x 12 1/4 / 104.5 x 79.1 x 30.8 (with the stand) 41 1/4 x 28 3/4 x 4 3/8 / 104.5 x 72.9 x 11 (without the stand)
Weight (lbs / kg)	106.3 / 48.3 (with the stand) 84.3 / 38.3 (without the stand)
Accessories	Refer to "unpacking your TV", page 8

Specifications subject to change without notice.

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